



University of
Massachusetts
Lowell

Continuing Studies, Corporate & Distance Education
<http://continuinged.uml.edu>

2008

spring

This Spring have the **best** of

BOTH WORLDS!

Pursue Your Education
Online or On Campus!



Classes Begin January 28, 2008
Undergraduate & Graduate Courses

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**See page 6 for our online BS in
Information Technology.**

**See page 16 for our NEW
online MBA program.**

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University of Massachusetts Lowell
Continuing Studies, Corporate & Distance Education
One University Avenue
Lowell, MA 01854-2881
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UMass Lowell

This Spring have the **best** of

BOTH WORLDS!

Pursue your Education Online or On Campus!

Mix & Match

This Spring UMass Lowell students can have the "Best of Both Worlds." By "mix and matching" on campus and online courses, students can choose classes that fit their individual learning styles and lifestyles.

Ask Us About Blended Learning

Testimonials continue to confirm that our students value their on campus experiences as well as the high level of interaction they receive online. If you are interested in learning more about how you can blend online and face-to-face classes, take advantage of our information sessions listed below or visit our website at <http://continuinged.uml.edu/blended>.

Talk to Us About Blended Degree Programs

If you are interested in pursuing a degree program, please contact our Faculty & Student Support Center at: (978) 934-2474 for an appointment. Our faculty program coordinators and student support specialists, as well as our transfer-friendly policies, can help you map out a plan to complete your degree program.



Blended Healthcare Programs!

Healthcare Database Design
Healthcare Information Systems
Healthcare Management
Law and Ethics in Healthcare

Take a Look at our Blended Healthcare Programs

This Spring the College of Health & Environment will continue to offer its Master's Program in Health Management plus several graduate certificates in a blended format developed specifically for Healthcare professionals.

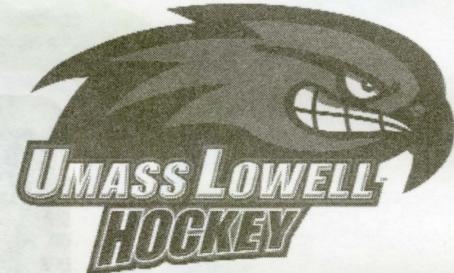
Please see below for a listing of our Healthcare courses offered during the Spring Semester. (See course listings on page 9 for more detailed information.)

Anytime, Anywhere.

UMass Lowell offers a wide range of high-quality online degree and certificate programs. Students have the convenience of taking courses anytime, anywhere.

Consider All Your Options

We hope you will take the time to review the hundreds of educational opportunities available in this bulletin to pursue your professional education this Spring.



Join UMass Lowell River Hawks Hockey for the season! For ticket information visit www.goriverhawks.com

PERSONALIZED STUDENT SERVICES AVAILABLE

Continuing Education Open House

Find out about: Certificate Programs & Degrees • Online Courses • Project Management Seminars

Please join us for the Continuing Studies and Corporate Education Spring Open House and General Registration on **Wednesday, January 9, 2008 from 5:00 to 7:30 p.m.** in Durgin Hall on UML South. Faculty Program Coordinators and Continuing Studies Student Support Specialists will be available. Please note: Transfer credits will not be evaluated during the Open House. Students should plan on making individual appointments with a Faculty Program Coordinator or Student Support Specialists prior to the Open House. For further information, call (978) 934-2474.



EARLY BIRD INFORMATION SESSION

Continuing Studies Student Support Specialists will hold an Early Bird Information Session for those who would like to learn more about our programs and financial aid. All current students and prospective students are invited to participate. These presentations will be followed by an informal question and answer period.

- Wednesday, December 12, 2007 at 1:00 pm

CALL THE FACULTY AND STUDENT SUPPORT CENTER TODAY AT (978) 934-2474 TO RESERVE YOUR SPACE. YOU CAN ALSO VISIT OUR WEBSITE AT [HTTP://CONTINUINGED.UML.EDU](http://CONTINUINGED.UML.EDU) TO LEARN MORE ABOUT OUR PROGRAMS.

PROJECT MANAGEMENT INFORMATION SESSION

Wednesday, January 9, 2008 on UML South, Durgin Hall, from 6:00 to 7:00 p.m.

Come and find out about UMass Lowell's new Professional Development non-credit certificate in Project Management. Don't miss this opportunity to learn more about the latest tools and business trends that many successful companies are implementing today.

SPACE IS LIMITED SO SIGN UP TODAY AT [HTTP://CONTINUINGED.UML.EDU/PROJMGMT](http://CONTINUINGED.UML.EDU/PROJMGMT). CALL (978) 934-2473 FOR MORE DETAILS.

NEW STUDENT ORIENTATION

Wednesday, January 9, 2008 from 5:30-6:00 p.m. on UML South, Durgin Hall.

Are you a new Continuing Studies student? Do you have questions about registration, tuition, financial aid, applying to a degree or certificate program, etc.? Find out how easy it is to get answers to questions such as:

- How do I select a course and check for prerequisites?
- How do I register?
- Am I able to enroll in a degree or certificate program?
- When do I pay for my courses?
- Where is my classroom located?
- How do I take a course online?
- How do I use the electronic library?

CALL (978) 934-2474 TODAY TO RESERVE YOUR SEAT!

NOTE: IF YOU ARE UNABLE TO ATTEND THIS ON CAMPUS SESSION, PLEASE SEE OUR WEBSITE FOR AN ONLINE ORIENTATION AT [HTTP://CONTINUINGED.UML.EDU/GENERAL/ADVISING.HTM](http://CONTINUINGED.UML.EDU/GENERAL/ADVISING.HTM)

HOW TO TAKE AN ONLINE COURSE

Wednesday, January 9, 2008 on UML South, O'Leary 200, from 6:15 to 7:00 p.m.

Come see how **easy** it is to take a course **online**! Want to learn more about taking a course over the Internet? Are you planning on registering for an online course this semester? This orientation will introduce you to the features of your online course and answer any questions you may have.

CALL (978) 934-2474 TO TALK TO US AND LEARN ABOUT COMING BACK TO SCHOOL!

UNDERGRADUATE Certificate Programs

Customize your undergraduate certificate

* Most certificates are available on campus and online.

Our Continuing Education Certificate Programs get you one step closer to your degree, faster than you ever imagined possible.

• Six to Ten Courses to a New Career.

Please note, UMass Lowell also offers several Online Graduate Certificate Programs. See page 5 for more details

ONLINE GRADUATE Certificate Programs!

- Certificate in Behavioral Intervention in Autism
- Certificate in Security Studies
- Certificate in Clinical Pathology
- Certificate in Foundations of Business

- Certificate in Forensic Criminology
- Certificate in Domestic Violence Prevention
- **NEW!** Certificate in Plastics Engineering Fundamentals

ONLINE!



UNDERGRADUATE CERTIFICATES:

Now available in a Blended Format!

The CERTIFICATE IN COMPUTER-ASSISTED MANUFACTURING

Maximize your convenience! Now you can take a combination of online and on campus courses when you pursue the Certificate in Computer-Assisted Manufacturing at UMass Lowell.

Required Courses: (5)

23.101 Engineering Graphics (On Campus)
23.200 Computer Aided Drafting (Online)
23.419 Computer Aided Manufacturing (On Campus)
23.480 Computer Aided Design (Online)
23.484 Intro to Pro/ENGINEER (Online) or
23.485 Intro to SolidWorks (Online)

For further information contact Professor Robert Tuholski at (978) 934-2593 or email Robert_Tuholski@uml.edu

Creative Arts/Media APPLICATIONS

Multimedia Applications

Available on-campus and online

Use Towards a Degree in Information Technology!*

The Multimedia Certificate Program at UMass Lowell is one of the largest, most comprehensive programs of study in multimedia available in New England. It draws upon the expertise of several departments, colleges, and centers within the University, as well as outside expertise from industry professionals. You can earn the Certificate in Multimedia Applications online or as a mix of online and on campus courses!

Required Courses: (4)

90.230 Introduction to Multimedia
90.231 Graphics for Multimedia and the World Wide Web
90.232 Desktop Video Production
90.247 Web Authoring: Adobe® Flash™

Electives (Choose 2):

42.221 Writing for Interactive Media
70.262 Digital Imaging and Photography: Photoshop®
70.264 Computer Graphics and Illustration
70.291 Introduction to Graphic Design
70.376 3D Computer Animation
70.377 Advanced Animation: After Effects®
70.379 Website Design: Dreamweaver®
70.384 Advanced Website Design and Development
70.385 Streaming Media for the Web
78.201 Introduction to Audio for Multimedia and the World Wide Web
90.227 Developing Interactive Help Systems
90.236 Instructional Design for Interactive Media
90.238 Website Development: Microsoft® Expression® Web
90.239 Multimedia Scripting Using Macromedia Director's Lingo™

90.249 Developing IT Training for the Web
90.250 E-Commerce on the Web
90.291 Introduction to DHTML
90.306 Introduction to XML
90.347 Rich Web Development with Flash® (Advanced)
90.348 Developing Dynamic Websites with ColdFusion® MX

Graphic Design & Digital Imaging

Use Towards a Degree in Information Technology or Liberal Arts!*

This certificate program offers students interested in breaking into graphic design and electronic publishing an innovative mix of traditional design courses along with several courses in the latest publishing technologies. From traditional graphic design to designing for multimedia and the World Wide Web, students in the program complete numerous portfolio pieces geared towards the professional market.

Required Courses: (6)

70.291 Introduction to Graphic Design
70.240 Fundamentals of Typography
70.245 Desktop Publishing: Layout and Production
70.262 Digital Imaging and Photography: Photoshop®
70.391 Advanced Graphic Design
70.400 Portfolio Production Seminar

Electives (Choose 3):

70.264 Computer Graphics & Illustration
70.362 Advanced Digital Imaging
70.376 3D Computer Animation
70.377 Advanced Animation: After Effects®
70.379 Website Design: Dreamweaver®
70.384 Advanced Website Design & Development
70.392 Design for Advertising
90.230 Introduction to Multimedia
90.231 Graphics for Multimedia and the World Wide Web
90.238 Website Development: Microsoft® Expression® Web
90.247 Web Authoring: Adobe® Flash®

NOW ONLINE!

70.379 Website Design
70.384 Advanced Website Design & Development

Website Design & Development

Available on-campus and online Use Towards a Degree in Information Technology!*

The Certificate Program in Website Design and Development is designed to provide students with the knowledge they need to design and implement effective, dynamic websites. Students pursuing this certificate program have the option of taking either the Web Design Track or the Web Development Track, depending on their particular area of interest. You can earn the Certificate in Website Design & Development entirely online, on campus, or by taking a combination of online and on campus courses.

Website Design Track

Note: Students pursuing the Website Design Track should have basic familiarity with HTML. Those who do not have basic familiarity with HTML are encouraged to take 90.291 Introduction to DHTML as one of their electives prior to taking the required courses in this program.

Required Courses: (4)

70.379 Website Design: Dreamweaver®
70.384 Advanced Website Design & Development
90.231 Graphics for Multimedia and the World Wide Web
90.247 Web Authoring: Adobe® Flash®

Electives (Choose 2):

70.262 Digital Imaging and Photography: Photoshop®
70.385 Streaming Media for the Web
90.230 Introduction to Multimedia
90.238 Website Development: Microsoft® Expression® Web
90.248 Website Database Implementation
90.250 E-Commerce on the Web
90.291 Introduction to DHTML
90.292 Advanced DHTML
90.302 JavaScript
90.306 Introduction to XML
90.347 Rich Web Development with Flash® (Advanced)
90.348 Developing Dynamic Websites with ColdFusion® MX

Website Development Track

Required Courses: (4)

90.291 Introduction to DHTML
90.238 Website Development: Microsoft® Expression® Web
90.248 Website Database Implementation
90.306 Introduction to XML

Electives (Choose 2):*

70.379 Website Design: Dreamweaver®
70.384 Advanced Website Design and Development
70.385 Streaming Media for the Web
90.227 Developing Interactive Help Systems
90.245 Website Server Administration
90.246 Active Server Pages .NET
90.247 Web Authoring: Adobe® Flash®
90.250 E-Commerce on the Web
90.292 Advanced DHTML
90.301 Java Programming
90.302 Java Script
90.305 Introduction to Perl
90.347 Rich Web Development with Flash® (Advanced)
90.348 Developing Dynamic Websites with ColdFusion® MX

*Note: Other 90.xxx courses may be substituted as electives for the Website Development Track with prior approval from the certificate program coordinator.

Additional Certificate Programs

UMass Lowell also offers certificate programs in:

- Land Surveying
- Manufacturing Technology
- Nutrition
- Paralegal Studies
- Spanish and Latin American
- Wastewater Treatment
- Water Treatment

Free software...

Get Free Microsoft® Developer Software when you register for certain UMass Lowell courses! Refer to the courses with the icon designating applicable courses.

For a complete list of all applicable courses and other information, please visit <http://continuing.uml.edu/msdnai.htm>

* Many of the courses in these certificate programs can be applied towards a part-time degree. See page 6 or visit our website for more information on degrees. For information on how to apply these courses into your degree, call our Student Support Specialists at (978) 934-2474.

For more information on any of these certificate programs visit our Website at <http://continuing.uml.edu> or call (978) 934-2474.

Technical Writing

Available on-campus and online
Use Towards a Degree in Information Technology!*

Those with strong writing skills and an aptitude for computers are encouraged to enter this program. Taught by practicing professionals from the high tech industry, students learn to use the most current technologies and processes.

Required Courses: (4)

- 42.408 Principles of Technical Writing
- 42.412 Software Writing
- 42.413 Advanced Software Writing
- 90.306 Introduction to XML

Electives (Choose 2):**

- 42.221 Writing for Interactive Media
- 90.227 Developing Interactive Help Systems
- 90.228 Introduction to Adobe® FrameMaker
- 90.291 Intro to DHTML

** This is a partial list of elective courses. For a complete list of courses that may be applied as electives, see the Continuing Studies website for computer courses with a 90. OR 92. prefix, or contact the Faculty and Student Support Center at (978) 934-2474.

Information TECHNOLOGY

Contemporary Communications

Available on-campus and online
Use Towards a Degree in Information Technology or Liberal Arts!*

The Contemporary Communications Certificate is intended as an introductory certificate to prepare students for work in a rapidly changing, information-driven workplace. Students will develop skills in research, analysis, writing, graphic presentation of material, and the use of technology as a tool for communication.

Required Courses: (4 plus 2 electives)

Written Communication (Choose 1):

- 42.221 Writing for Interactive Media
- 42.224 Business Writing
- 42.226 Technical and Scientific Communication
- 42.300 Journalism

Computer-Based Communications (Choose 1):

- 90.160 Introduction to Information Systems
- 90.238 Website Development: Microsoft® Expression® Web
- 90.291 Intro to DHTML
- 91.113 Exploring the Internet

Strategic Thinking & Effective Communication (Choose 1):

- 45.202 Introduction to Logic
- 46.210 Media and Politics
- 62.201 Marketing Principles
- 90.250 E-Commerce on the Web
- 90.460 Computer Ethics

Multimedia/Graphic Design and Development (Choose 1):

- 70.291 Introduction to Graphic Design
- 90.230 Introduction to Multimedia
- 90.231 Graphics for Multimedia and the World Wide Web
- 90.232 Desktop Video Production

Electives (Choose 2 not already taken):

- 42.221 Writing for Interactive Media
- 42.224 Business Writing
- 42.226 Technical and Scientific Communication
- 42.300 Journalism
- 45.202 Introduction to Logic
- 45.205 Argumentation and Rhetoric
- 45.207 Corporate Communications
- 45.356 The History, Theory, and Practice of Rhetoric
- 46.210 Media and Politics
- 46.316 Politics and Film
- 62.201 Marketing Principles
- 70.291 Introduction to Graphic Design
- 90.160 Introduction to Information Systems
- 90.230 Introduction to Multimedia
- 90.231 Graphics for Multimedia and the World Wide Web
- 90.232 Desktop Video Production
- 90.238 Website Development: Microsoft® Expression® Web
- 90.250 E-Commerce on the Web
- 90.291 Intro to DHTML
- 90.460 Computer Ethics
- 91.113 Exploring the Internet

Information Technology

Available on-campus and online
Use Towards a Degree in Information Technology!*

The need for professionals with a strong information technology background will continue to increase as business, government, schools, and other organizations seek new applications for computers and networks in the workplace. This certificate is designed as an introductory program for those who want to explore a broad range of electives in different subject areas before deciding on an area of specialization.

Required Courses: (2)

- 90.160 Introduction to Information Systems*
- 90.202 Microsoft Office*

For more information on any of these certificate programs visit our Website at <http://continuing.uml.edu> or call (978) 934-2474.

Electives (Choose 4):**

Programming Electives:

- 90.211 Introduction to Programming with C, Part I
- 90.212 Introduction to Programming with C, Part II
- 90.220 Visual Basic
- 90.267 C Programming
- 90.268 C++ Programming
- 90.269 Advanced C++
- 90.270 Visual C++
- 90.364 Problem Solving with C

Database Electives:

- 90.171 Applications Software: Microsoft® Access
- 90.342 Web-Enabled Database Development
- 90.474 Relational Database Concepts

Multimedia/Web Electives:

- 90.230 Introduction to Multimedia
- 91.113 Exploring the Internet

Additional Electives:

- 90.311 Introduction to the UNIX Operating System
- 90.312 Shell Scripting
- 90.461 LAN/WAN Technologies

*Students with appropriate experience can replace the required courses with any of the electives courses.

**Note: This is a partial list. For the complete list of courses that may be applied as electives, see the Continuing Studies website for computer courses with the 90. prefix, or contact the Faculty and Student Support Center at 978-934-2474.

Data/Telecommunications

Available on-campus and online
Use Towards a Degree in Information Technology!*

The Certificate Program in Data/Telecommunications trains participants for positions as entry-level network administrators, LAN technicians, and system analysts responsible for networking functions in large or small companies.

Required Courses: (5)

- 90.267 C Programming
- 90.457 Network Security
- 90.461 LAN/WAN Technologies
- 90.462 TCP/IP and Network Architecture
- 90.464 Network Management

Database Management Technologies

Available on-campus and online
Use Towards a Degree in Information Technology!*

The Database Management Technologies Certificate program, as part of Oracle Corporation's Academic Initiative (OAI), prepares students for the requirements and rigors of becoming an in-demand Database Administrator or Developer. Centered on the industry-leading Oracle 10g/11i™ product suite, students engage in a progressive learning experience. Hands-on skill building throughout the program will prepare students for challenging and highly rewarding positions in today's data-driven industry.

Required Courses: (4)

- 90.450 Database Administration I: Introduction to Oracle 10g
- 90.453 Database Administration II: Advanced Oracle 10g
- 90.454 Oracle 10g SQL Development
- 90.459 PL/SQL I: Introduction to Oracle 10g PL/SQL

*Note: Students with experience equivalent to any of the required courses may substitute up to two electives for the required courses, with prior approval of the program coordinator.

(Choose 3 Electives from either of the following Tracks):

Electives: Developer Track

- 90.448 Oracle 10g Portal Development
- 90.449 Oracle 10g Forms and Reports
- 90.467 PL/SQL II: Advanced Oracle 10g PL/SQL
- 90.474 Relational Database Concepts

Electives: Administrator Track

- 90.443 Introduction to Client/Server Computing
- 90.455 Database Administration III: Oracle 10g Projects
- 90.466 Oracle 10g Data Warehousing
- 90.479 Oracle 11i Applications DBA

Note: If you would like to, you may choose one elective course from one of the tracks and two elective courses from the other track, as long as you take a total of three elective courses in addition to the required courses above.

NEW! UNIX Certificate available in accelerated and online format.

UNIX®

Available on-campus and online
Use Towards a Degree in Information Technology!*

The Certificate in UNIX is designed for those currently in the computer industry who want to upgrade their skills, and for those with basic computer literacy who want to enter this fast-growing field. Students learn skills that are immediately applicable in the workplace as well as C Programming, the language in which most networking software is written.

Required Courses: (4)

- 90.267 C Programming
- 90.311 Introduction to the UNIX Operating System
- 90.312 Shell Scripting
- 90.360 Introduction to Data Structures

Electives (Choose 2):

- 90.268 C++ Programming
- 90.269 Advanced C++
- 90.313 UNIX Internals Overview
- 90.316 UNIX System Administration
- 90.318 Advanced UNIX Internals/Tuning
- 90.319 Introduction to Linux
- 90.321 Linux System Administration

Engineering TECHNOLOGY

Plastics Engineering

Technology
Use Towards a Degree in Engineering Technology!*

The Plastics Engineering Technology Certificate provides professional training in plastics industry theory and technology. Students are given practical instruction applicable to materials, processing, and design engineering. Courses are taught by the Department of Plastics Engineering's staff of international experts. This program is designed to serve adult students already working in positions in plastics or packaging who need formal education in their work areas. Some of the courses in this certificate can be applied towards the B.S. Degree in Mechanical Engineering Technology: Plastics Option.

Required Courses: (5)

- 27.201 Plastics Material Science I (Commodity Thermoplastics)
- 27.202 Plastics Material Science II (Engineering Thermoplastics)
- 27.219 Introduction to Plastics Processing
- 27.331 Injection Molding
- 27.345 Principles of Extrusion

Electives: (Choose 2 plastics engineering technology elective courses with a 27. prefix)

Computer Engineering Technology

Available on-campus and online
Use Towards a Degree in Engineering Technology!*

The Certificate Program in Computer Engineering Technology is designed to provide students with a broad-based knowledge of digital electronics, microprocessors and advanced digital technologies. All the courses in this certificate program can be applied towards the B.S. degree in Electronic Engineering Technology.

Required Courses: (7)

- 17.341 Logic Design I & Laboratory
- 17.342 Logic Design II & Laboratory
- 17.353 Digital Electronics
- 17.383 Microprocessors A
- 17.384 Microprocessors B
- 90.267 C Programming
- 90.268 C++ Programming

Electronics Technology

Use Towards a Degree in Engineering Technology!*

The Certificate Program in Electronics Technology is designed to provide the students with a broad-based knowledge of circuit theory and electronics, with laboratory work included to ensure that good hands-on experience is acquired along with the deep understanding of fundamental and changing technologies. All the computer courses in this certificate program can be applied towards the A.S. or B.S. degree in Electronic Engineering Technology.

Required Courses: (8)

- 17.213 Circuits I
- 17.214 Circuits II and Laboratory
- 17.215 Circuits III and Laboratory
- 17.216 Circuits IV
- 17.355 Electronics I & Laboratory
- 17.356 Electronics II & Laboratory
- 17.357 Electronics III & Laboratory
- 17.358 Electronics IV & Laboratory

Criminal JUSTICE

Security Management and Homeland Security

Use Towards a Degree in Criminal Justice!*

Since September 11th, the U.S. Department of Labor has been predicting that the employment of security management personnel will grow faster than all other occupations due to the threat of terrorism. This part-time certificate program is designed for personnel working in the areas of public safety, security management, and law enforcement; executives in corporations responsible for overseeing in-house security programs; and information technology professionals.

Required Courses: (4)

- 44.115 Introduction to Homeland Security
- 44.241 Physical Security
- 44.312 Security Management
- 90.385 Introduction to Information Security (Cyber Security)

Electives (Choose 2):

- 44.212 Weapons of Mass Destruction
- 44.234 Criminal Law
- 44.248 Terrorism
- 44.326 Domestic Terrorism and Hate Crimes
- 44.342 Criminal Profiling
- 44.343 Forensic Psychology
- 44.380 Selected Issues in Criminal Justice

★ Many of the courses in these certificate programs can be applied towards a part-time degree. See page 6 or visit our website for more information on degrees. For information on how to apply these courses into your degree, call our Student Support Specialists at (978) 934-2474.

FIND OUT HOW EASY IT IS TO TAKE
A COURSE OR COMPLETE YOUR

DEGREE ONLINE!

* Graduate & Undergraduate

JOIN US AT OUR FREE ONLINE ORIENTATION SESSION ON WEDNESDAY, JANUARY 9, 2008 ON UML SOUTH. SEE PAGE 2 FOR DETAILS!

* Fully Accredited

* Affordable Tuition



With UMass Lowell's online education program, you can take classes from the convenience of your home or office! Register for one or two courses, or pursue a degree or certificate program entirely online.

Online Undergraduate Degree Programs

- * Associate's Degree in Information Technology
- * Bachelor's Degree in Information Technology
- * Bachelor's Degree in Information Technology: Business Minor
- * Bachelor's Degree in Liberal Arts
- NEW!** * Bachelor's Degree in Psychology

Online Graduate Degree Programs

- NEW!** * Curriculum & Instruction: Education of Diverse Populations
- * Master's Degree in Reading and Language
- * Master's Degree in Educational Administration
- * Master's Degree in Criminal Justice
- * Master's Degree in Curriculum & Instruction
- * Master's Degree in Business Administration
- * Master's Degree in Curriculum and Instruction with a concentration in Science Education

Call (978) 934-2474 or visit <http://continuinged.uml.edu/online> to test drive an online course today! **Note:** The University of Massachusetts System offers additional courses and programs online. Visit www.UMassOnline.net for more details.

Please note: There are no veteran or senior citizens waivers for online courses. Please refer to page 19.

NEW! * Certificate of Advanced Graduate Study Degree in Education

Online Undergraduate Certificate Programs

- * Certificate in Contemporary Communications
- * Certificate in Multimedia Applications
- * Certificate in UNIX
- * Certificate in Information Technology
- * Certificate in Data/Telecommunications
- * Certificate in Paralegal Studies
- * Certificate in Security Management and Homeland Security
- * Certificate in Website Design and Development

Online Graduate Certificate Programs

- * Certificate in Behavioral Intervention in Autism
- * Certificate in Security Studies
- * Certificate in Clinical Pathology
- * Certificate in Foundations of Business
- * Certificate in Forensic Criminology
- * Certificate in Domestic Violence Prevention
- NEW!** * Certificate in Plastics Engineering Fundamentals

Have the Best of
BOTH WORLDSThese Graduate Degree Programs
are Available On Campus OR Online!ONLINE PLASTICS ENGINEERING GRADUATE COURSES
FOR SPRING 2008 SEMESTER

Course No.	Course Title	Instructor
26.506-031	Polymer Structure, Props & Applications (3)	S. Driscoll
26.544-031	Advanced Plastics Materials (3)	S. Driscoll
26.576-031	Advanced Mold Design (3)	D. Kazmer
26.578-031	Advanced Plastics Processing (3)	C. Barry

ON CAMPUS PLASTICS ENGINEERING GRADUATE COURSES FOR SPRING 2008 SEMESTER

Day	Course Title	Instructor	Time
Monday			
26.514.201	Six Sigma (3)	R. Stacer	6:00-9:00pm
25.532.201	Adhesives (3)	R. Deanin	6:00-9:00pm
26.540.201	Commercial Development of Plastics (3)	S. Driscoll	6:00-9:00pm
Tuesday			
26.518.201	Plastics Product Design (3)	N. Schott	6:00-9:00pm
26.533.201	Coating Technology I (3)	B. Budhlall	6:00-9:00pm
26.554.201	Medical Device Design (3)	S. McCarthy	2:30-5:30pm
26.589.201	Polymer Nanocomposites (3)	D. Schmidt	6:00-9:00pm
Wednesday			
26.537.201	Business Law for Engineers (3)	A. Tayebi	6:00-9:00pm
26.566.201	Polymeric Materials Selection (3)	S. Driscoll	6:00-9:00pm
26.585.201	Computer Aided Engineering I (3)	F. Lai	6:00-9:00pm
Thursday			
26.572.201	Advanced Plastics Processing Lab (1)	R. Malloy	6:00-9:00pm
26.575.201	Biomaterials (3)	A. Crugnola	2:30-5:30pm
26.596.201	Plastics from Renewable Resources (3)	R. Nagarajan	6:00-9:00pm

For more information, please contact the Plastics Engineering Department at (978) 934-3420 or <http://plastics.uml.edu>.

EARN A MASTER'S DEGREE IN EDUCATION ENTIRELY ONLINE!

UMass Lowell's Graduate School of Education is pleased to announce that it now has four Master's Degrees in Education that are available entirely online, or as a mix of online and on campus courses. Students complete a total of 10 courses, some of which are core required courses, and some of which are electives in students' particular areas of interest. Students may take up to four graduate-level courses on a non-matriculated basis before applying for admission into the degree program.

• Educational Administration, M.Ed.

<http://continuinged.uml.edu/online/edadmin.htm>

• Reading and Language, M.Ed.

<http://continuinged.uml.edu/online/readinglanguage.htm>

• Curriculum and Instruction, M.Ed.

<http://continuinged.uml.edu/online/curriculumandinstruction.htm>

• Curriculum and Instruction: Science Education Concentration, M.Ed.

<http://continuinged.uml.edu/online/seo>NEW! Earn a Certificate of Advanced Graduate Study in Curriculum and Instruction: Education of Diverse Populations (C.A.G.S.) <http://continuinged.uml.edu/online/cags.htm>

A practitioner-oriented graduate degree program for experienced educators who hold a master's degree and teacher licensure. The focus is on knowledge, skills, and dispositions required for working effectively with students from diverse backgrounds.

Students may take up to four graduate-level courses on a non-matriculated basis before applying for admission into the degree program. Students in these programs also have the option of taking a combination of online and on campus courses.

NCATEThe Standard of Excellence
in Teacher Preparation

UMass Lowell's Graduate School of Education is accredited by the National Council for Accreditation of Teacher Education.

For more information or an admissions packet, email us at edoffice@uml.edu

REQUIREMENTS AND REGISTRATION PROCEDURES FOR ONLINE COURSES

Online Education Course Registration Students should make sure they have fulfilled the particular course prerequisites prior to registering for a course. See the registration information on page 18 and the new UMass Lowell CSCE student checklist at <http://continuinged.uml.edu>. Be sure to provide your email address when you register!

Student Usernames and Passwords are assigned online. All online students can obtain their online course usernames and passwords by visiting the <http://continuinged.uml.edu/online> and clicking on "get your online course username/password here" link. Usernames and passwords become available two business days after registering for an online course. The process for obtaining online course usernames and passwords is usually made available to students approximately three weeks prior to the start of the semester.

All Online Students are encouraged to review the Online Education website at <http://continuinged.uml.edu/online> to view course software and textbook requirements, course outlines, chat hours and other course specific information.

Online courses require weekly participation and assignments. Online students can expect to spend 6-10 hours per course each week engaged in course related activities.

Student Technical Skills and Requirements All students new to Online Education should complete the free Online Demonstration course available on the Online Education Website. Some online courses require additional software. Students are responsible for learning to use course-related software before enrolling in an Online Education course. Tutorials are available on the Online Education Website.

Online Course Software Requirements — Be sure to check our website at <http://continuinged.uml.edu/online> to confirm course software requirements. For the latest information regarding our online courses and programs, visit our website at <http://continuinged.uml.edu/online> or call (978) 934-2474.

THIS SPRING

Accelerate your progress towards your degree ON CAMPUS, ONLINE, OR BOTH!

UNDERGRADUATE DEGREE PROGRAMS

COLLEGE OF ENGINEERING

Associate's Degrees

- Civil Engineering Technology
- Civil Engineering Technology: Surveying Option
- Electronic Engineering Technology
- Mechanical Engineering Technology

Bachelor's Degrees

- Civil Engineering Technology
- Civil Engineering Technology: Environmental Option
- Electronic Engineering Technology
- Mechanical Engineering Technology
- Mechanical Engineering Technology: Manufacturing Option
- Mechanical Engineering Technology: Plastics Option

COLLEGE OF ARTS AND SCIENCES

Associate's Degree

- Information Technology

Bachelor's Degrees

- Applied Mathematics
- Criminal Justice
- Criminal Justice: Paralegal Option
- Information Technology
- Information Technology: Business Minor Option
- Liberal Arts

Mathematics

- Mathematics: Statistics Concentration
- Mathematics: Teacher Concentration
- NEW!** Psychology

COLLEGE OF MANAGEMENT

Associate's Degree

- Management

Bachelor's Degree

- Business Administration

For more information on any of these degree programs visit our Website at <http://continuinged.uml.edu> or call (978) 934-2474

Spring 2008

Bachelor's Degree in Psychology **ONLINE** —

Take fully online or on campus!

- One of UMass Lowell's most popular degree programs for those interested in the social sciences



The Psychology curriculum acquaints students with scientific methods and psychological studies. It provides students with theoretical foundations in various subfields of psychology: experimental, developmental, social, personality, and clinical psychology. The curriculum emphasizes the application of psychological knowledge and skills in many areas of human functioning. For further information, visit <http://continuinged.uml.edu/online/psychology>

EARN A BACHELOR'S DEGREE IN Liberal Arts

Students whose education plans were interrupted are perfect candidates for UMass Lowell's part-time Liberal Arts Degree. The Bachelor of Liberal Arts (BLA) degree is designed to provide students with a balanced liberal arts curriculum, while also exposing them to an in-depth study in areas of concentration such as psychology, history, art history, women's studies, english, and legal studies.

Students choose two concentration areas:

1. Psychology Concentration

Available on campus and online

2. Art History Concentration

Available on campus and online

3. Women's Studies Concentration

Available on campus and online

4. Legal Studies Concentration

Available on campus and online

5. History Concentration

Available on campus and online

6. English Concentration

Available on campus and online

Email Continuing_Education@uml.edu or call (978) 934-2474. Additional information on the Bachelor's Degree in Liberal Arts can also be found at <http://continuinged.uml.edu/degrees/bladegree.htm>

EARN A BACHELOR'S DEGREE IN Engineering Technology

**Civil Engineering Technology • Electronic Engineering Technology
Mechanical Engineering Technology**

Engineering Technology is your path to success...

For more information on our part-time degree programs in Engineering Technology, visit <http://continuinged.uml.edu/engtech>. For a free brochure call (978) 934-2143 or email Continuing_Education@uml.edu

EARN A BACHELOR'S DEGREE IN Information Technology

"I knew I had to get a high-demand credential and that I had to do it quickly. By taking a mix of online and on-campus courses, I was able to accelerate my progress towards earning a degree in Information Technology."

Valerie Cox, Recent Graduate

For more information on our B.S. in Information Technology, please visit our website or call the Faculty and Student Support Center at (978) 934-2474.

EARN A 2ND BACHELOR'S DEGREE IN Information Technology

Interested in changing careers? If you already have a Bachelor's Degree and would like to pursue a second degree in Information Technology, UMass Lowell has a special program for you. Students can pursue a Second Bachelor's in IT by taking 10 additional IT courses in designated areas. See our website at <http://continuinged.uml.edu/degrees/2ndBSIT.htm> for more information.

NEW! BS to MS Program

Interested in making yourself more marketable in the IT marketplace? Consider the Bachelor's to Master's Option in Health Management and Policy with a concentration in Health Informatics. See our website for more details.

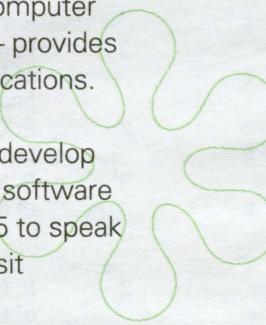
CUSTOMIZED TRAINING

Designed to meet your company's business needs

⌘ [HTTP://CONTINUINGED.UML.EDU/CORPORATE](http://continuinged.uml.edu/corporate)

With a large selection of courses and expert instructors, the University of Massachusetts Lowell serves as an important educational resource for companies both nationally and internationally. The University — which is particularly well-known for its Engineering, Information Technology, Computer Science, Health, Management, and Manufacturing programs — provides training to employees on campus and at numerous company locations.

A variety of training areas are available, and UMass Lowell can develop customized training programs that feature the industry-specific software and technologies your company uses most! Call (978) 934-2495 to speak with a corporate training specialist. For a list of training areas visit <http://continuinged.uml.edu/corporate>.



NEW! UMass Lowell is now a PMI® approved Registered Education Provider

Project Management Non-credit Certificate* (To register call 978-934-2473)



PROJECT MANAGEMENT

Project Management: Planning and Scheduling (offered twice)

CRS #00.608-041

Four Evenings; Meets 6pm-9:30pm; Wednesdays, January 23, 30; Feb. 6, 13

Held Lowell Campus; Tuition: \$725; CEUs: 1.4; PDUs: 14

Project Management: Planning & Scheduling

CRS #00.608-042

Two Days; Meets 9am-4pm; Thursday/Friday, January 31; Feb. 1

Held on Lowell Campus; Tuition: \$725; CEUs: 1.4; PDUs: 14

Project Management Boot Camp

CRS #00.613-041

One Day; Meets 9am-4pm; Fri., Jan. 25

Held on Lowell Campus; Tuition: \$425; CEUs: .7; PDUs: 7

MS Project

CRS #00.610-041

Two Days; Meets 9am-4pm; Thursday/Friday, February 7, 8

Held on Lowell Campus; Tuition: \$775; CEUs: 1.4; PDUs: 14

Project Management: Resources and Budgeting (offered twice)

CRS #00.609-041

Four Evenings; Meets 6pm-9:30pm; Wednesdays, February 27, March 5, 12, 26

Held on Lowell Campus; Tuition: \$725; CEUs: 1.4; PDUs: 14

Project Management: Resources and Budgeting

CRS #00.609-042

Two Days; Meets 9am-4pm; Wednesday/Friday, March 5, 7

Held on Lowell Campus; Tuition: \$725; CEUs: 1.4; PDUs: 14

Project Management for IT Professionals

CRS #00.622-041

Two Days; Meets 9am-4pm; Thursday/Friday, February 28, 29

Held on Lowell Campus; Tuition: \$725; CEUs: 1.4; PDUs: 14

NEW! Advanced Microsoft® Project

CRS #00.623-041

One Day; Meets 9am-4pm; Friday, March 21

Held on Lowell Campus; Tuition: \$450; CEUs: .7; PDUs: 7

Risk Management

CRS #00.614-041

Two Days; Meets 9am-4pm; Thursday/Friday, March 27, 28

Held on Lowell Campus; Tuition: \$725; CEUs: 1.4; PDUs: 14

Business Law for Project Managers

CRS #00.619-041

One Day, Meets 9am-4pm; Friday, April 4

Held on Lowell Campus; Tuition: \$425; CEUs: .7; PDUs: 7

Building High-Performance Teams

CRS #00.615-041

Two Evenings; Meets 6pm-9:30pm; Wednesdays, April 9, 16

Held on Lowell Campus; Tuition: \$425; CEUs: .7; PDUs: 7

Leadership Skills

CRS #00.616-041

One Day; Meets 9am-4pm; Friday, April 11

Held on Lowell Campus; Tuition: \$425; CEUs: .7; PDUs: 7

*Learn how you can apply these seminars towards a project management certificate by visiting our website at <http://continuinged.uml.edu>. Seminars may be taken individually or applied towards a project management certificate. For a Project Management brochure call (978) 934-2473.

SPRING 2008 To register call (978) 934-2405

Corporate Signature Seminar Series

Learn the latest tools and business trends to increase profits and streamline operations...

Call us about having these seminars offered at your company!

LabVIEW™ Programming

CRS # 00.625-041

Three days; Meets 9am-4pm

Monday, Tuesday & Wednesday, June 9, 10, 11

Held on the Lowell Campus

Tuition: \$1195; CEUs: 2.1

Fundamentals of GDT — Geometric Dimensioning and Tolerancing

CRS # 00.626-041

Two days; Meets 9am-4pm

Monday & Tuesday, June 16 & 17

Held on the Lowell Campus

Tuition \$725; CEUs: 1.4

PLC Programming

CRS # 00.627-041

Two days; Meets 9am-4pm

Monday & Tuesday, June 23 & 24

Held on the Lowell Campus

Tuition: \$725; CEUs 1.4

Call us at (978) 934-2405 for a detailed brochure or visit <http://continuinged.uml.edu/corporate>

Online Training

Learn to Teach Online, Without Commuting to Campus

Interested in learning how to teach online using Blackboard Vista?

UMass Lowell's award winning faculty development training program can help you develop or enhance your online training skills.

If you are an institution of higher education or a corporate training/instructional design specialist you may be interested in having this program customized to meet your organization's specific business requirements.

INTRODUCTION TO ONLINE TEACHING WITH BLACKBOARD VISTA

00.058-041 Six Weeks; February 20-April 8; Tuition: \$795

00.058-042 Six Weeks; March 26-May 6; Tuition: \$795

A special reduced rate for these online noncredit courses is available when four or more participants attend from the same institution. For more information, call (978) 934-2495 or visit our website at <http://continuinged.uml.edu/online/institutes.htm>.

Registration for these noncredit courses is by phone only at (978) 934-2405.



INTERESTED IN ON-SITE PLASTICS TRAINING?

UMass Lowell is one of the nation's leading universities in plastics. The Plastics Engineering Department has gained worldwide recognition for its state-of-the-art training, research, and experienced faculty who travel nationally and internationally conferring on newly developed concepts and consulting with plastics industry leaders.

You can attend our plastics seminars on campus or ask about having our plastics engineering faculty deliver training on-site to your employees! Call (978) 934-2495 for information about our onsite training programs!

Call (978) 934-2405 today for a free copy of our Plastics Seminars & Workshops brochure or visit <http://continuinged.uml.edu/plastics>

For more information on any of these corporate programs visit our Website at <http://continuinged.uml.edu/corporate> or call (978) 934-2405.

GRADUATE CREDIT COURSES

Students interested in applying into Graduate degree or certificate programs should contact the Graduate School at 800-656-GRAD or www.uml.edu/grad. In some cases, a student may take only 6 credits prior to matriculating into a formal graduate degree program. Students with Bachelor's degrees from accredited institutions are eligible to enroll as non-degree students for a total of 12 credits prior to matriculating into formal Graduate degree programs. Generally, students must formally apply to graduate certificate programs before enrolling in graduate courses intended for specific certificate programs.

ISIS Class No.	Course No.	Title	Days	Time	Cr (Con)	P: Prerequisite C: Corequisite/Comments	Instructor
BUSINESS ADMINISTRATION							
		For a complete listing of all Spring 2008 ON-CAMPUS M.B.A. courses, please go to: www.uml.edu/grad and click on "Course Schedules."					
8543	60.501-031	Financial Accounting (8 weeks: 1/28-3/29/08)	>Online Course		2	P: Open to MBA, Business Certificate or Doctor of Engineering students; may require proctored exams; 4 mandatory chats	Sherre Strickland
13218	60.601-031	Accounting Information for Management Decisions	>Online Course		3	P: MBA matriculated students and completion of MBA Foundation courses	Stephen Collins
8546	61.501-031	Business Financial Analysis (8 weeks: 3/31-5/22/08)	>Online Course		2	P: Open to MBA, Business Certificate or Doctor of Engineering students; requires logarithm calculator; requires proctored exams	Yash Puri
9680	61.601-031	Corporate Finance	>Online Course		3	P: MBA matriculated students and completion of MBA Foundation courses; requires a financial calculator	Ravi Jain
8548	62.501-031	Marketing Fundamentals (8 weeks: 1/28-3/29/08)	>Online Course		2	P: Open to MBA, Business Certificate or Doctor of Engineering students	Duncan LaBay
12687	62.601-061	Customers and Markets (Accelerated Online Course: 1/28-4/12/08)	>Online Course		3	P: MBA matriculated students and completion of MBA Foundation courses; mandatory chats	Eunsang Yoon
13319	62.688-031	NEW! Current Topics in Marketing: Innovation and Product Development	>Online Course		3	P: MBA matriculated students and completion of MBA Foundation courses; mandatory chats	Beatrice Nelson
8550	63.501-031	Operations Fundamentals (8 weeks: 1/28-3/29/08)	>Online Course		2	P: Open to MBA, Business Certificate or Doctor of Engineering students; requires proctored exams	Riaz Khan
9856	63.601-061	Management Information Systems (Accelerated Online Course: 1/28-4/12/08)	>Online Course		3	P: MBA matriculated students and completion of MBA Foundation courses	Edward Chen
12685	63.630-031	Electronic Business for Managers	>Online Course		3	P: MBA matriculated students and completion of MBA Foundation courses	Timothy Shea
13439	63.671-061	Operations Management (Accelerated Online Course: 1/28-4/12/08)	>Online Course		3	P: MBA matriculated students and completion of MBA Foundation courses; mandatory chats	David Lewis
9042	66.501-031	Organizational Behavior (8 weeks: 1/28-3/29/08)	>Online Course		2	P: Open to MBA, Business Certificate or Doctor of Engineering students	Stuart Freedman
8554	66.511-031	Global Enterprise and Competition (8 weeks: 3/31-5/22/08)	>Online Course		2	P: Open to MBA, Business Certificate or Doctor of Engineering students	Bernard Cookson
13440	66.601-061	Organization Design and Change (Accelerated Online Course: 1/28-4/12/08)	>Online Course		3	P: MBA matriculated students and completion of MBA Foundation courses; mandatory chats	Timm Kainen
9720	66.691-031	Strategy	>Online Course		3	P: MBA matriculated students and completion of MBA Foundation courses	Ashwin Mehta
NOTE: The above MBA courses are also open to non-UML grad students who meet course prerequisites. If not currently registered in a program, please contact the MBA Coordinator, Kathleen Rourke, at 978-934-2848 for permission to take courses.							
CIVIL AND ENVIRONMENTAL ENGINEERING							
(Held at Middlesex Community College, Lowell, MA)							
13080	14.572-041	Marine and Coastal Processes	Tues	6:00-9:00 pm	3		Adele Fiorillo
COMPUTER SCIENCE							
(Held at Middlesex Community College, Lowell, MA)							
13124	91.513-041*	Internet and Web Systems I	Wed	5:30-8:30 pm	3		Martin Schedlbauer
8604	91.515-041*	Operating Systems I	Wed	5:30-8:30 pm	3		William Moloney
12733	91.522-041*	Object-Oriented Analysis	Mon	5:30-8:30 pm	3		Robert Lechner
(Held at Cadence Design Systems, Chelmsford, MA)							
8977	91.546-041*	Computer Graphics	Thurs	5:30-8:30 pm	3		Hugh Masterman
*Requires permission of the Graduate Computer Science Coordinator							
CRIMINAL JUSTICE							
(Held at Middlesex Community College, Lowell, MA)							
13187	44.503-061	Administration of Justice (Accelerated Online Course: 1/28-4/12/08)	>Online Course		3		Larry J. Siegel
13234	44.513-061	Crisis and Emergency Management (Accelerated Online Course: 1/28-4/12/08)	>Online Course		3		Timothy Croft
9702	44.521-061	Criminological Theory (Accelerated Online Course: 1/28-4/12/08)	>Online Course		3		Larry J. Siegel
13188	44.526-061	Domestic Terrorism and Hate Crimes (Accelerated Online Course: 1/28-4/12/08)	>Online Course		3		Allan Roscoe
13264	44.541-061	Issues in Policing (Accelerated Online Course: 1/28-4/12/08)	>Online Course		3		Richard Lumb
9703	44.543-061	Forensic Psychology (Accelerated Online Course: 1/28-4/12/08)	>Online Course		3		Ira Packer
9704	44.545-061	Criminal Mind and Behavior (Accelerated Online Course: 1/28-4/12/08)	>Online Course		3		Alan Lincoln
13189	44.554-061	Threat Assessment and Risk Management	>Online Course		3		Zmira Ofer
9919	44.560-061	Gender, Race and Crime (Accelerated Online Course: 1/28-4/12/08)	>Online Course		3		Linda Williams
8978	44.567-061	Overview of Homeland Security (Accelerated Online Course: 1/28-4/12/08)	>Online Course		3		Timothy Croft
8988	44.590-061	Research Methods in Criminal Justice (Accelerated Online Course: 1/28-4/12/08)	>Online Course		3		Donald Faggiani
13190	44.594-061	Crime Mapping (Accelerated Online Course: 1/28-4/12/08)	>Online Course		3		April Pattavina
9705	44.622-061	Intimate Partner Violence (Accelerated Online Course: 1/28-4/12/08)	>Online Course		3		Eve Buzawa
13191	44.624-061	Violence in America (Accelerated Online Course: 1/28-4/12/08)	>Online Course		3		James Byrne
8979	44.646-061	Sex Offenses and Offenders (Accelerated Online Course: 1/28-4/12/08)	>Online Course		3		Andrew Harris
For permission numbers and questions regarding the Criminal Justice Program, email Karen_Mullins@uml.edu							
EDUCATION							
(Held at Middlesex Community College, Lowell, MA)							
11418	01.625-031	Organization of Schools and School Systems	>Online Course		3	EA, CAGS	James Nehring
11417	01.630-031	Diversity Issues for School Leaders	>Online Course		3	EA, RL, CI; CAGS; permission of Coord.	Michaela Wyman-Colombo
8458	04.638-031	Curriculum Design (K-12)	>Online Course		3	EA, CI, CAGS	J. Walsh/ D. Troughton
8459	04.643-031	The Skillful Teacher	>Online Course		3	Elective CI, CI(sci), CAGS	Robert Gower
11419	04.650-031	Capstone Project in Curriculum and Instruction	>Online Course		3	P: Permission of Coordinator, CI	Mark Fenster
11420	04.658-031	The Gifted Child	>Online Course		3	CAGS	Ann Benjamin
8980	05.590-031	Practicum I, Supervisor/Director	>Online Course		1	P: Coordinator permission required for this two-semester course; EA	Charles Christensen

GRADUATE CREDIT COURSES

ISIS Class No.	Course No.	Title	Days	Time	Cr (Con)	P: Prerequisite C: Corequisite/Comments	Instructor
9478	05.591-031	Practicum II, Supervisor/Director	>Online Course		2	P: 05.590; Coordinator permission required for this two-semester course; EA	Charles Christensen
8460	05.592-031	Practicum I, Elementary School Principal (PK-6)	>Online Course		1	P: Coordinator permission required for this two-semester course; EA	Charles Christensen
8461	05.593-031	Practicum II, Elementary Principal (PK-6)	>Online Course		2	P: 05.592; Coordinator permission required for this two-semester course; EA	Charles Christensen
8462	05.594-031	Practicum I, Middle School Principal (5-8)	>Online Course		1	P: Coordinator permission required for this two-semester course; EA	Charles Christensen
9479	05.595-031	Practicum II, Middle School Principal (5-8)	>Online Course		2	P: 05.594; Coordinator permission required for this two-semester course; EA	Charles Christensen
8981	05.596-031	Practicum I, High School Principal (9-12)	>Online Course		1	P: Coordinator permission required for this two-semester course; EA	Charles Christensen
8463	05.597-031	Practicum II, High School Principal (9-12)	>Online Course		2	P: 05.596, Coordinator permission req. for this two-semester course; EA	Charles Christensen
8994	05.622-031	Financial Aspects of Educational Administration	>Online Course		3	EA; permission of Coordinator	Patricia Barron
8995	05.638-031	Planning, Technology and School Improvement	>Online Course		3	EA, CI Elective	Linda Friel
11421	05.642-031	Principles of Supervision	>Online Course		3	EA	Robert Gower
11422	05.643-061	Principalship (PK-12) (Accelerated Online Course: 1/28-4/12/08)	>Online Course		3	EA	Charles Christensen
9793	06.511-061	Teaching Reading in Content Areas (Accelerated Online Course: 1/28-4/12/08)	>Online Course		3	P: M.Ed. RL students only	Jay Simmons
9710	06.529-031	Treatment of Reading and Language Disabilities	>Online Course		3	P: 06.528; RL	Jay Simmons
11423	06.551-031	Literacy Coach: Practicum II	>Online Course		3	P: 06.550; permission of Coordinator	Vera Ossen
9476	07.541-031	Practitioner Action Research	>Online Course		3	P: Coordinator permission req.; EA, CI, RL, CI(sci); requires headset and NVivo 7; see Cont. Studies Website for details	Judith Davidson
13261	07.541-032	Practitioner Action Research	>Online Course		3	P: Coordinator permission req.; EA, CI, RL, CI(sci); requires headset and NVivo 7; see Cont. Studies Website for details	Judith Davidson
9475	81.547-031	Evolution in Context for Teachers	>Online Course		3	CI(sci)	David Lustick
11424	85.581-031	Meteorology for Teachers	>Online Course		3	CI(sci)	Tom Vaughn/ Frank Colby
9474	95.501-031	Energy, Force and Motion	>Online Course		3	CI(sci)	Arthur Mittler

ELECTRICAL AND COMPUTER ENGINEERING

(Held at Middlesex Community College, Lowell, MA)

12969	16.602-041	VHDL/Verilog Synthesis and Design	Thurs	6:00-9:00 pm	3		Terence Kelly
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ENVIRONMENTAL STUDIES

(Held at Middlesex Community College, Lowell, MA)

9094	18.581-041	Understanding the Massachusetts Contingency Plan	Thurs	6:00-9:00 pm	3		John Fitzgerald
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HEALTH

(Held at Lowell General Hospital, Lowell, MA)

13409	32.514-041*	Healthcare Management	>Blended Course		3		James Mahan
13214	32.527-041	Healthcare Planning and Marketing	Thurs	5:30-8:20 pm	3		Jennifer Darius
12740	32.607-041**	Healthcare Information Systems	>Blended Course		3		A. James Lee
13399	32.616-041***	Law and Ethics in Healthcare	>Blended Course		3		Michael O'Sullivan
13411	32.633-041****	Healthcare Database Design	>Blended Course		3		Patrick Scollin
9859	33.603-031	Psychopharmacology and Related Psychobiology	>Online Course		3		Geoffry McEnany
9723	36.551-031	Advanced Pathophysiology	>Online Course		3	P: 30.550 or equivalent or instructor permission; requires proctored exams	Kay Doyle
8496	36.580-031	Clinical Applications of Molecular Genetics	>Online Course		3	P: Anatomy and Physiology, General Chemistry; requires MS PowerPoint and Word	Theodore Namm

*32.514 – This is a blended course (combination of face-to-face and online classes). The face-to-face meetings meet Mondays from 5:30-8:20pm on 1/28, 2/11, 3/3, 3/24, 4/7 and 5/12.

**32.607 – This is a blended course (combination of face-to-face and online classes). The face-to-face meetings meet Saturdays from 8:30am-Noon on 2/9, 3/1, 3/29, 4/19, 5/3 and 5/17.

***32.616 – This is a blended course (combination of face-to-face and online classes). The face-to-face meetings meet Saturdays from 8:30am-Noon on 2/2, 2/16, 3/8, 3/22, 4/26 and 5/10.

****32.633 – This is a blended course (combination of face-to-face and online classes). The face-to-face meetings meet Wednesdays from 5:30-8:20pm on 1/30, 2/20, 3/12, 4/2, 4/23 and 5/14.

MECHANICAL ENGINEERING

(Held at Cadence Design Systems, Chelmsford, MA)

11875	22.549-041	Cooling of Electronic Equipment	Thurs	6:00-9:00 pm	3		Andreas Pfahl
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PLASTICS ENGINEERING

13396	26.506-031	Polymer Structure Properties Applications	>Online Course		3		Stephen Driscoll
9615	26.544-031	Advanced Plastics Materials	>Online Course		3		Stephen Driscoll
9628	26.576-031	Advanced Mold Design	>Online Course		3		David Kazmer
9613	26.578-031	Advanced Plastics Processing	>Online Course		3		Carol Barry

PSYCHOLOGY

8982	47.504-031	The Family System	>Online Course		3		Kathleen Hulbert
8983	47.561-031	Introduction to Behavioral Intervention in Autism	>Online Course		3	P: Coursework in the psychology of child development, or related experience	Alicia Perry
9848	47.561-032	Introduction to Behavioral Intervention in Autism	>Online Course		3		Richard Serna
8793	47.562-031	Teaching and Positive Behavioral Support in Autism	>Online Course		3	P: 47.561	Katherine Falwell
9851	47.562-032	Teaching and Positive Behavioral Support in Autism	>Online Course		3	P: 47.561	Eric Boelrer
9649	47.565-031	Measurement and Experimental Design in Behavioral Autism	>Online Course		3	P: 47.561	Sung Woo Kahng
13326	47.565-032	Measurement and Experimental Design in Behavioral Autism	>Online Course		3	P: 47.561	David Kuhn
9650	47.566-031	Functional Analysis and Treatment of Challenging Behavior	>Online Course		3	P: 47.562	Stephanie Contrucci-Kuhn
9651	47.568-031	Behavioral Intervention Program Models in Autism	>Online Course		3	P: 47.562	Jennifer Crockett

REGIONAL ECONOMIC AND SOCIAL DEVELOPMENT

(Held at Wannalancit Mills, Lowell, MA)

13217	57.508-041	The Budget as a Policy, Planning and Information Tool	Thurs	6:00-9:00 pm	3		Donald Zizzi
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UNDERGRADUATE CREDIT COURSES

ISIS Class No.	Course No.	Title	Days	Time	Cr (Con)	P: Prerequisite C: Corequisite/Comments	Instructor
ACCOUNTING							
8542	60.201-001	Accounting/Financial	Mon	6:00-9:00 pm	3		Charles F. Thompson
9826	60.201-061	Accounting/Financial (Accelerated Online Course: 1/28-4/12/08)		>Online Course	3		Clairmont Carter
9757	60.202-001	Accounting/Managerial	Tues	6:00-9:00 pm	3	P: 60.201	Lisa Andrusaitis
8831	60.331-001*	Cost Management Systems	Tues	6:00-9:00 pm	3	P: 60.202, BSBA students (non-Accounting Majors) and COM Dean permission	Laura Christianson
*Before registering for all 300/400-level College of Management courses, students must meet all prerequisites and submit a "College of Management Dean Permission Request Form." Please visit http://continuing.uml.edu/general/information.htm to fill out the form online.							
ART/COMPUTER GRAPHICS							
13220	70.262-001	Digital Imaging and Photography: Photoshop® (Windows)	Thurs	6:30-9:30 pm	3	P: Windows familiarity	Ella Carlson
9046	70.264-001	Computer Graphics and Illustration (Windows)	Mon	7:00-10:00 pm	3	P: Windows familiarity	Catherine Meeks
8555	70.291-001	Introduction to Graphic Design	Tues	7:00-10:00 pm	3	P: Basic Macintosh proficiency	Alene Sirott-Cope
9817	70.379-061	Website Design: Macromedia® Dreamweaver® (Windows) (Accelerated Online Course: 1/28-4/12/08)		>Online Course	3	P: Basic HTML and Photoshop familiarity required; requires Dreamweaver® and Photoshop CS3	Christopher Perry
13221	70.384-061	Advanced Website Design and Development (Accelerated Online Course: 1/28-4/12/08)		>Online Course	3	P: 70.379; requires Dreamweaver CS3	Christopher MacDonald
9809	70.391-001	Advanced Graphic Design	Thurs	7:00-10:00 pm	3	P: 70.291, 70.240, and 70.245	Alison Poor-Donahue
Note: While the above courses will not transfer directly into the Art Department's Bachelor of Fine Arts Day School degree program, certain two-course clusters may be accepted for transfer upon prior department approval.							
CERTIFICATE IN GRAPHIC DESIGN AND DIGITAL IMAGING (See page 3 for required courses.)							
CERTIFICATE IN WEBSITE DESIGN AND DEVELOPMENT (See page 3 for required courses.)							
ART HISTORY							
12166	58.203-031	History of Art I: Prehistoric to Medieval Art		>Online Course	3	AHD	Liana Cheney
BIOLOGICAL SCIENCES							
8558	83.100-031	Introduction to Biology		>Online Course	3	Not for Biology majors; SC	John Mallett
8559	83.105-031	Introduction to Biology Laboratory		>Online Course	1 (3)	P: or C: 83.100; not for Biology majors; SL	Priscilla Mattson
11682	83.125-031	Plants and Human Society		>Online Course	3	SC; requires MS Word	Gail Skinner-Brassard
8561	83.127-031	Plants and Human Society Laboratory		>Online Course	1 (3)	P: or C: 83.125; SL; requires MS Word	Gail Skinner-Brassard
8562	83.214-031	Human Ecology		>Online Course	3	SL/SCL	Priscilla Mattson
CHEMISTRY							
8563	84.101-001	Applied Chemistry for Non-Scientists	Wed	7:00-10:00 pm	3	SCL	John Sarabia
8564	84.101-031	Applied Chemistry for Non-Scientists		>Online Course	3	SCL	Philip Lamprey
8565	84.101-032	Applied Chemistry for Non-Scientists		>Online Course	3	SCL	Philip Lamprey
8566	84.121-001	Chemistry I	Tues	7:00-10:00 pm	3	C: 84.123; SL/SCL	J. Barry Mahoney
8567	84.122-001	Chemistry II	Mon	7:00-10:00 pm	3	P: 84.121 and 84.123. C: 84.124; SCL	Gene Davis
8568	84.123-001	Chemistry I Laboratory	Thurs	7:00-10:00 pm	1 (3)	C: 84.121; SL	Paul Damour
8569	84.124-001	Chemistry II Laboratory	Wed	7:00-10:00 pm	1 (3)	C: 84.122; SL	Department Faculty
CINEMA							
(See courses listed under Cultural Studies and Languages.)							
CIVIL ENGINEERING TECHNOLOGY							
8464	15.113-001	Computer-Aided Design and Drafting	Mon	7:00-10:00 pm	2 (3)	P: 23.101 or related experience	Kevin Gagne
8465	15.124-001	Surveying II	Mon	7:00-10:00 pm	4 (5.5)	P: 15.123; additional Saturday labs	Matthew Keamy
9616	15.224-001	Materials/Structural Lab	Tues	7:00-10:00 pm	1 (3)	P: 15.251, 15.253	Gary Howe
8467	15.238-001	Dynamics (alternate 23.222)	Thurs	7:00-10:00 pm	3	P: 15.237	John Coluccini
8468	15.253-001	Reinforced Concrete I	Mon	7:00-10:00 pm	3	P: 15.239	Jan Morrill
9619	15.254-001	Soil Mechanics I	Thurs	7:00-10:00 pm	3	P: 15.239	Harvey Stoller
11690	15.257-001	Highway Elements	Thurs	7:00-10:00 pm	3	P: 15.124	Matthew Keamy
11691	15.299-001	Surveying III	Wed	7:00-10:00 pm	3	P: 15.124	Michael Berry
9624	15.352-001	Structural Analysis II	Wed	7:00-10:00 pm	3	P: 15.251	Gary Stewart
8996	15.353-031	Forensic Engineering		>Online Course	3		Michael Berry
9626	15.383-001	Steel Design II	Thurs	7:00-10:00 pm	3	P: 15.242	Jan Morrill
8469	15.394-001	Soil Mechanics Laboratory	Sat	8:30-11:30 am	1 (3)	P: 15.234	Harvey Stoller
CERTIFICATE IN LAND SURVEYING							
CIVIL ENGINEERING TECHNOLOGY: WATER/WASTEWATER OPTION							
8466	15.132-001	Environmental Chemistry II	Wed	7:00-10:00 pm	3	SL	Charles Panagiotakos
9625	15.356-001	Water Treatment Design	Thurs	7:00-10:00 pm	3	P: 15.246, 15.131	Charles Panagiotakos
CERTIFICATE IN WASTEWATER TREATMENT							
CERTIFICATE IN WATER TREATMENT							
CLIENT SERVER TECHNOLOGY							
(See courses listed under Information Technology.)							
CERTIFICATE IN DATABASE MANAGEMENT TECHNOLOGIES (See page 4 for required courses.)							
COMPUTER SCIENCE							
8989	91.113-001	Exploring the Internet	Wed	7:00-10:00 pm	3	P: Non-CS Majors only	Michael Krolak
9857	91.113-061	Exploring the Internet (Accelerated Online Course: 1/28-4/12/08)		>Online Course	3	P: Non-CS Majors only; requires access to a microphone	Patrick Krolak
12737	94.301-001*	Organization of Programming Languages	Thurs	5:30-8:30 pm	3		Krishnan Seetharaman
12738	94.304-001*	Foundations of Computer Science	Mon	5:30-8:30 pm	3		Jie Lu
12739	94.305-001*	Computer Architecture	Thurs	5:30-8:30 pm	3		David Hendrickson
9661	94.308-001*	Introduction to Operating Systems	Tues	5:30-8:30 pm	3		Jie Lu
8624	94.404-001	Analysis of Algorithms	Mon	5:30-8:30 pm	3		Jose Annunziato
*Requires permission of Graduate Computer Science Coordinator							
CRIMINAL JUSTICE							
13176	44.141-001	Police Process	Thurs	7:00-10:00 pm	3		Ronald Guilmette
13177	44.151-001	Introduction to Corrections	Mon	7:00-10:00 pm	3		Steven Sacco
13178	44.203-001	Technology and the Criminal Justice System	Wed	7:00-10:00 pm	3		Paul Gormley
8997	44.221-001	Criminology I	Wed	7:00-10:00 pm	3		Joseph Burke

UNDERGRADUATE CREDIT COURSES

ISIS Class No.	Course No.	Title	Days	Time	Cr (Con)	P: Prerequisite C: Corequisite/Comments	Instructor
13179	44.223-001	Crime and the Media	Tues	7:00-10:00 pm	3		Frank Mazzaglia
9766	44.234-001	Criminal Law	Tues	7:00-10:00 pm	3		Michael Concannon
8962	44.241-061	Physical Security (Accelerated Online Course: 1/28-4/12/08)	➤ Online Course		3		Gail Beaudoin
13180	44.248-061	Terrorism (Accelerated Online Course: 1/28-4/12/08)	➤ Online Course		3		Allan Roscoe
13185	44.326-061	Hate Crime (Accelerated Online Course: 1/28-4/12/08)	➤ Online Course		3		Allan Roscoe
9706	44.342-061	Criminal Profiling (Accelerated Online Course: 1/28-4/12/08)	➤ Online Course		3		Allan Roscoe
8963	44.343-061	Forensic Psychology (Accelerated Online Course: 1/28-4/12/08)	➤ Online Course		3		Denise Hines
9768	44.360-001	Gender, Race and Crime	Mon	7:00-10:00 pm	3		Gail Beaudoin
9765	44.387-061	Criminal Mind and Behavior (Accelerated Online Course: 1/28-4/12/08)	➤ Online Course		3		Ellsworth Fersch
9767	44.390-001	Criminal Justice Research Methods	Thurs	7:00-10:00 pm	3		Department Faculty
13186	44.397-061	Crime Mapping (Accelerated Online Course: 1/28-4/12/08)	➤ Online Course		3		Jacob Stowell

For permission numbers and questions regarding the Undergraduate Criminal Justice Program, please email Kathleen_Roscoe@uml.edu.

CERTIFICATE IN PARALEGAL STUDIES

CERTIFICATE IN SECURITY MANAGEMENT AND HOMELAND SECURITY (See page 4 for required courses.)

CULTURAL STUDIES

(For additional courses, see Art History and Languages.)

8958	50.376-001	French Cinema and Society	Tues	7:00-10:00 pm	3	AHD	Valerie Paterson
12166	58.203-031	History of Art I: Prehistoric to Medieval Art	➤ Online Course		3	AHD	Liana Cheney

ECONOMICS

8534	49.201-001	Economics I (Microeconomics)	Mon	6:00-9:00 pm	3	P: 90.111; SS	Harjeet Khosla
8535	49.201-002	Economics I (Microeconomics)	Tues	6:00-9:00 pm	3	P: 90.111; SS	Ronald Olive
8536	49.201-061	Economics I (Microeconomics) (Accelerated Online Course: 1/28-4/12/08)	➤ Online Course		3	P: 90.111; SS	Nurul Aman
8537	49.201-062	Economics I (Microeconomics) (Accelerated Online Course: 1/28-4/12/08)	➤ Online Course		3	P: 90.111; SS	Michael Carter
8964	49.201-063	Economics I (Microeconomics) (Accelerated Online Course: 1/28-4/12/08)	➤ Online Course		3	P: 90.111; SS	Joanne Spitz
8538	49.202-001	Economics II (Macroeconomics)	Tues	6:00-9:00 pm	3	P: 90.111; SS	Patricia Machado
8539	49.202-061	Economics II (Macroeconomics) (Accelerated Online Course: 1/28-4/12/08)	➤ Online Course		3	P: 90.111; SS	Michael Carter
8965	49.202-062	Economics II (Macroeconomics) (Accelerated Online Course: 1/28-4/12/08)	➤ Online Course		3	P: 90.111; SS	Nurul Aman
13216	49.211-001	Statistics for Business and Economics I	Wed	6:00-9:00 pm	3	P: 92.122 or equivalent	Harjeet Khosla
9612	49.211-031	Statistics for Business and Economics I	➤ Online Course		3	P: 92.122 or equivalent; microphone or headset recommended	Kevin Carlson
8959	49.325-031	United States Economic History	➤ Online Course		3	SSD	Carol McDonough

ELECTRONIC ENGINEERING TECHNOLOGY

8470	17.131-001	Electronic Basics and Laboratory	Mon	7:00-10:00 pm	2 (3)	P: 17.130	Ahmed Ibrahim
8471	17.132-001	Digital Basics and Laboratory	Wed	7:00-10:00 pm	2 (3)	P: 17.130; not available for E.E.T. majors	Patrick O'Brien
8472	17.214-001	Circuits II and Laboratory	Tues	7:00-10:00 pm	2 (3)	P: 17.213, 42.226, 92.126 (May be taken concurrently)	James Davis, Jr.
8473	17.216-001	Circuits IV	Wed	7:00-10:00 pm	3	P: 17.215	James Drew
8960	17.354-001	PSpice® Simulation	Thurs	7:00-10:00 pm	3		James Drew
8475	17.356-001	Electronics II and Laboratory	Tues	6:30-9:30 pm	2 (3)	P: 17.355	Fahd Wakim
13327	17.360-001	Mathematics and Statistics/EET	Tues	7:00-10:00 pm	3		Albert Paradis
8476	17.361-001	Project Laboratory A	Wed	6:30-9:30 pm	2 (3)	P: 17.353, 17.358 and 17.365	Alan Rux
9167	17.384-001	Microprocessors B	Tues	6:00-9:00 pm	2 (3)	P: 17.383	Dohn Bowden
8477	17.391-001	Project Laboratory B	Wed	6:30-9:30 pm	2 (3)	P: 17.361, or 17.353 and 17.358 and 17.365, and at least one 17.4xx E.E.T. elective	Alan Rux
8478	17.392-001	Project Laboratory C	Wed	6:30-9:30 pm	2 (3)	P: 17.361, or 17.353 and 17.358 and 17.365, and at least one 17.4xx E.E.T. elective	Alan Rux
12548	17.403-001	Foundations of Microwave Design	Thurs	6:00-9:00 pm	3		Luciano Boglione
12546	17.477-001	Electromagnetic Theory II	Tues	6:00-9:00 pm	3		Luciano Boglione
8479	17.486-001	Digital Communications and Networks	Thurs	7:00-10:00 pm	3		Albert Paradis

CERTIFICATE IN COMPUTER ENGINEERING TECHNOLOGY (See page 4 for required courses.)

CERTIFICATE IN ELECTRONICS TECHNOLOGY (See page 4 for required courses.)

ENGLISH

8504	42.101-001	College Writing I	Mon	6:00-9:00 pm	3		Amy Garbis
8505	42.101-031	College Writing I	➤ Online Course		3	Requires MS Word	Richard Keating
8506	42.101-032	College Writing I	➤ Online Course		3	Requires MS Word	William Allen
8507	42.102-001	College Writing II	Mon	7:00-10:00 pm	3	P: 42.101	Madeline Sherlock
8508	42.102-002	College Writing II	Tues	7:00-10:00 pm	3	P: 42.101	David Daniel
8509	42.102-031	College Writing II	➤ Online Course		3	P: 42.101; requires MS Word	Marie Salamone
8510	42.102-032	College Writing II	➤ Online Course		3	P: 42.101; requires MS Word	William Allen
13201	42.212-001	The Short Story	Wed	7:00-10:00 pm	3	P: 42.102 or 42.104; LT/AH	Stephen O'Connor
11708	42.212-031	The Short Story	➤ Online Course		3	P: 42.102 or 42.104; LT/AH	Claudine Perreault
8511	42.217-031	The Horror Story	➤ Online Course		3	P: 42.102; LT/AH; requires MS Word	Lisa Mahoney
9043	42.217-032	The Horror Story	➤ Online Course		3	P: 42.102; LT; requires MS Word	Lisa Mahoney
8998	42.224-061*	Business Writing	➤ Online Course		3	P: 42.102; requires MS Word	Nancy Brown
9202	42.224-062*	Business Writing (Accelerated Online Course: 1/28-4/12/08)	➤ Online Course		3	P: 42.102; requires MS Word	Nancy Brown
8512	42.226-001*	Technical and Scientific Communication	Tues	6:00-9:00 pm	3	P: 42.102	Peter Payack
8513	42.226-031*	Technical and Scientific Communication	➤ Online Course		3	P: 42.102; requires MS Word	Peter Payack
13202	42.242-031	The Heroine in Modern Fiction	➤ Online Course		3	P: 42.102; AH	Marie Salamone
13238	42.250-001	The Bible as Literature	Thurs	7:00-10:00 pm	3	P: 42.102; LT/AH	Timothy LaValle
11761	42.257-001	The Family in American Literature	Wed	7:00-10:00 pm	3	P: 42.102; AH	Madeline Sherlock
9636	42.291-031	History of English Literature I	➤ Online Course		3	P: 42.102 or 42.104; AH	Jonathan Martin
8966	42.320-001	Personal and Reflective Writing	Wed	7:00-10:00 pm	3	P: 42.102	Geoffrey Douglas
9645	42.351-031	Literature of the Middle Ages	➤ Online Course		3	P: 42.102	Jonathan Martin
8967	42.412-001	Software Writing	Tues	6:00-9:00 pm	3	P: 42.408	Stephen Murphy

* Students will not receive credit for both 42.224 and 42.226.

CERTIFICATE IN TECHNICAL WRITING (See page 4 for required courses.)

UNDERGRADUATE CREDIT COURSES

ISIS Class No.	Course No.	Title	Days	Time	Cr (Con)	P: Prerequisite C: Corequisite/Comments	Instructor
ENVIRONMENTAL SCIENCES							
13222	89.101-001	General Geology	Wed	7:00-10:00 pm	3		Arnold O'Brien
13223	89.103-001	General Geology Laboratory	Tues	7:00-9:00 pm	1 (2)		Arnold O'Brien
GRAPHIC DESIGN AND DIGITAL IMAGING							
(See courses listed under Art and Information Technology.)							
CERTIFICATE IN GRAPHIC DESIGN AND DIGITAL IMAGING (See page 3 for required courses.)							
HEALTH							
9934	31.201-031	Community Health and Environment	> Online Course		3		Nicole Champagne
8494	35.102-001	Human Anatomy and Physiology II	Tues	6:15-9:15 pm	3	P: 35.101; C: 35.104; SL/SCL	Paul Fierimonte
8495	35.104-001	Human Anatomy and Physiology Lab II	Thurs	6:00-9:00 pm	1 (3)	P: 35.103; C: 35.102; SL/SCL	Edward Kostek
13196	35.211-031	Basic Clinical Microbiology and Pathology	> Online Course		3	P: 35.102, 25.104; C: 35.213	Jacob Lam
13197	35.213-001	Basic Clinical Microbiology and Pathology Lab	Tues	6:00-8:00 pm	1 (3)	P: 35.102, 35.104; C: 35.211	Jacob Lam
11451	36.371-001	Advanced Human Nutrition	Thurs	7:30-8:30 pm			Thomas Wilson
CERTIFICATE IN NUTRITION							
HISTORY							
(See also Art History)							
8514	43.108-031	World History II	> Online Course		3	HS	David Kalivas
12688	43.111-001	United States History to 1877	Wed	6:30-9:30 pm	3	AHD	Robert Lemire
8515	43.112-001	United States History Since 1877	Mon	6:30-9:30 pm	3	HS/AHD	David Driscoll
8516	43.242-031	World War II	> Online Course		3	HS; requires proctored exams	Donald Mattheisen
8517	43.274-031	Native American History	> Online Course		3	HS	Diane Lewis
11765	43.321-001	The Holocaust	Tues	6:30-9:30 pm	3	HS	W. Scott Hoerle
8518	43.336-031	Problems of Modern Ireland	> Online Course		3	HS/AHD	Joseph Lipchitz
8519	43.365-001	United States History Since 1960	Tues	7:00-10:00 pm	3	HS	Stephen Russell
12492	43.374-001	Stalin's Russia	Thurs	6:30-9:30 pm	3	HS	W. Scott Hoerle
INFORMATION TECHNOLOGY							
(Including Multimedia and Computer Graphics)							
9852	90.160-061	Introduction to Information Systems (Accelerated Online Course: 1/28-4/12/08)	> Online Course		3		Lisa Panagopoulos
13038	90.160-062	Introduction to Information Systems (Accelerated Online Course: 1/28-4/12/08)	> Online Course		3		Andrew Garside
8570	90.171-031	Applications Software: Microsoft® Access	> Online Course		3	Requires MS Access 2000 or above; familiarity with MS Word and MS Excel	Harriet Shanzer
13510	90.180-061	Applications Software: Microsoft® Excel (Accelerated Online Course: 1/28-4/12/08)	> Online Course		3	P: 90.202 or equivalent; requires MS 2002 or higher	Robin Desmond
8571	90.202-001	Microsoft® Office®	Mon	6:00-9:00 pm	3	Requires MS Office XP or higher	Terry Bass
8573	90.202-061	Microsoft® Office® (Accelerated Online Course: 1/28-4/12/08)	> Online Course		3	Requires MS Office XP or higher	Robin Desmond
8574	90.211-001*	Introduction to Programming with C-Part I	Tues	7:00-10:00 pm	3	P: No previous programming experience required	James Brzowski
8575	90.211-031*	Introduction to Programming with C-Part I	> Online Course		3	P: No previous programming experience required; requires ANSI C/C++ standard compiler	James Sears
9923	90.211-061*	Introduction to Programming with C-Part I (Accelerated Online Course: 1/28-4/12/08)	> Online Course		3	P: No previous programming experience required; requires ANSI C/C++ standard compiler	James Sears
9926	90.212-001*	Introduction to Programming with C-Part II	Thurs	7:00-10:00 pm	3		Department Faculty
8576	90.212-061*	Introduction to Programming with C-Part II (Accelerated Online Course: 1/28-4/12/08)	> Online Course		3	P: 90.211; requires ANSI C/ C++ standard compiler	Lisa Panagopoulos
9693	90.220-001	Visual Basic®.NET	Mon	7:00-10:00 pm	3	P: Familiarity with Windows and working knowledge of a high-level language	Leo Javits
13041	90.220-031	Visual Basic®.NET	> Online Course		3	P: Familiarity with Windows and working knowledge of a high-level language; requires Visual Studio®.NET	Leo Javits
8577	90.230-001	Introduction to Multimedia	Thurs	6:30-9:30 pm	3	P: Basic Mac or Windows proficiency	Christopher Perry
8578	90.230-031	Introduction to Multimedia	> Online Course		3	P: Basic Mac or Windows proficiency; requires E-Zedia® MX	Robert Graham
8579	90.231-031	Graphics for Multimedia and the World Wide Web	> Online Course		3	P: 90.230; requires Photoshop 5.0 or higher; access to a scanner	Randy Howe
9696	90.232-031	Desktop Video Production	> Online Course		3	P: 90.230; requires Adobe Premiere Elements 3.0 for the PC or Final Cut Express 3.5 for the Mac	Michael Lucas
13509	90.238-061	Website Development; Microsoft Expression/Windows (Accelerated Online Course: 1/28-4/12/08)	> Online Course		3	P: 90.291; 90.231 recommended; requires MS Expression Web	Judith Feeney
8969	90.247-031	Web Authoring: Macromedia® Flash®	> Online Course		3	P: 90.291; 90.302 or prog. familiarity; requires Macromedia Flash MX or higher	Beatrice Lee
13224	90.250-031	E-Commerce on the Web	> Online Course		3	P: 90.238	Robert Graham
8581	90.267-001*	C Programming	Tues	6:00-9:00 pm	3	P: Previous programming experience	Nancy Kiernan
8582	90.267-061*	C Programming (Accelerated Online Course: 1/28-4/12/08)	> Online Course		3	P: Previous programming experience;	Timothy Niesen
9694	90.268-001	C++ Programming	Thurs	7:00-10:00 pm	3	P: 90.267 or 90.212	Thomas Kostizak
8583	90.268-031	C++ Programming	> Online Course		3	P: 90.267 or 90.212	Department Faculty
9818	90.269-061	Advanced C++ (Accelerated Online Course: 1/28-4/12/08)	> Online Course		3	P: 90.268, experience with data structures	Lance Smith
8584	90.270-061	Visual C++®.NET (Accelerated Online Course: 1/28-4/12/08)	> Online Course		3	P: 90.268; requires Visual Studio®.NET	Barbara Bancroft
13042	90.271-001	C# (C Sharp) Programming	Thurs	7:00-10:00 pm	3	P: 90.268 or 90.301	James Brzowski
8585	90.291-001	Introduction to DHTML	Mon	6:00-9:00 pm	3		William Dubie
8586	90.291-061	Introduction to DHTML (Accelerated Online Course: 1/28-4/12/08)	> Online Course		3		William Dubie
8587	90.292-061	Advanced DHTML (Accelerated Online Course: 1/28-4/12/08)	> Online Course		3	P: 90.291	Isobel Davis
9819	90.297-061	Introduction to Java Programming (Accelerated Online Course: 1/28-4/12/08)	> Online Course		3	P: Previous programming experience required; requires J2Se Development Kit 5.0	Lance Smith
13043	90.301-001	Java™ Programming	Wed	7:00-10:00 pm	3	P: 90.297 or 90.268	Spencer Marks
9209	90.302-061	JavaScript (Accelerated Online Course: 1/28-4/12/08)	> Online Course		3	P: 90.291 or knowledge of HTML	David Sciuto
9695	90.303-001	Advanced Java Programming	Wed	6:00-9:00 pm	3	P: 90.301	Elizabeth Kramer

Free software (See page 3 for details.)

UNDERGRADUATE CREDIT COURSES

ISIS
**Class Course
No. No.**
Title
Days **Time**
**Cr
(Con)**
**P: Prerequisite
C: Corequisite/Comments**
Instructor

13044 90.303-061	Advanced Java Programming (Accelerated Online Course: 1/28-4/12/08)	» Online Course	3	P: 90.301; req. Sun Java Development Kit	N. Fred Yao
13045 90.305-061	Introduction to Perl (Accelerated Online Course: 1/28-4/12/08)	» Online Course	3	P: 90.267	Gregory Rushton
8588 90.306-031	Introduction to XML	» Online Course	3	P: 90.291 and 90.474; students should have a mastery of DHTML and be familiar with database concepts; requires XML Writer	David Sciuto
8590 90.311-031	Intro. to the UNIX® Operating System	» Online Course	3		Sean McGowan
8591 90.311-061	Intro. to the UNIX® Operating System (Accelerated Online Course: 1/28-4/12/08)	» Online Course	3		Fred Vegliante
8970 90.312-001	Shell Scripting	Thurs 7:00-10:00 pm	3	P: 90.311 and 90.267 or 90.212	William Vales
9082 90.312-061	Shell Scripting (Accelerated Online Course: 1/28-4/12/08)	» Online Course	3	P: 90.311 and 90.267 or 90.212	Michael Richards
9083 90.316-061	UNIX System Administration (Accelerated Online Course: 1/28-4/12/08)	» Online Course	3	P: 90.312	Michael Richard
8592 90.319-061	Introduction to Linux (Accelerated Online Course: 1/28-4/12/08)	» Online Course	3	Req. Fedora Software (Install Core 3 or 4)	C. Justin Seiferth
9853 90.321-061	Linux System Administration (Accelerated Online Course: 1/28-4/12/08)	» Online Course	3	P: Shell scripting experience; required software included with textbook	Barbara Bancroft
9804 90.347-001	Rich Web Development with Macromedia® Flash® Advanced (Windows)	Wed 6:30-9:30 pm	3	P: 90.247	Christopher MacDonald
8593 90.360-061	Introduction to Data Structures with C (Accelerated Online Course: 1/28-4/12/08)	» Online Course	3	P: 90.364, and 90.267 or 90.212	Isobel Davis
13239 90.364-001	Problem Solving with C	Wed 7:00-10:00 pm	3	P: 90.212 or 90.267	Joseph Russell
8594 90.364-061	Problem Solving with C (Accelerated Online Course: 1/28-4/12/08)	» Online Course	3	Sean McGowan P: 90.212 or 90.267; requires ANSI C/C++ standard compiler	Sean McGowan
13046 90.385-031	Introduction to Information Security	» Online Course	3		Tak Wong
9047 90.450-001	Database Administration I: Introduction to Oracle® 10g	Thurs 7:00-10:00 pm	3		T. Michael Cummings
8595 90.454-001	Oracle® 10g SQL Development	Mon 7:00-10:00 pm	3		Jeffrey Yang
9823 90.457-031	Network Security	» Online Course	3		Tak Wong
9048 90.459-001	PL/SQL I: Introduction to Oracle 10g PL/SQL	Tues 7:00-10:00 pm	3		Leon Xia
8596 90.460-061	Computer Ethics (Accelerated Online Course: 1/28-4/12/08)	» Online Course	3	VC	Sean McGowan
8597 90.461-061	LAN/WAN Technologies (Accelerated Online Course: 1/28-4/12/08)	» Online Course	3	P: 90.267 or previous prog. experience	Edwin Barnes
8598 90.462-061	TCP/IP and Network Architecture (Accelerated Online Course: 1/28-4/12/08)	» Online Course	3	P: 90.461	Edwin Barnes
8599 90.464-061	Network Management (Accelerated Online Course: 1/28-4/12/08)	» Online Course	3	P: 90.461	Jaime Fernandez
8600 90.474-031	Relational Database Concepts	» Online Course	3	P: 90.267	Robert Demers
8601 90.478-001	Information Systems II	Wed 7:00-10:00 pm	3	P: 92.477	Walter Chicoine
8602 90.480-031	Project-Based Information Systems	» Online Course	6	P: Junior status; can be used to replace the sequence of 90.477 and 90.478	Jon Forsyth
8603 90.480-032	Project-Based Information Systems	» Online Course	6	P: Junior status; can be used to replace the sequence of 90.477 and 90.478	Jon Forsyth

*Students will not receive credit for both 90.267 and the 90.211/90.212 sequence.

CERTIFICATE IN CONTEMPORARY COMMUNICATIONS (See page 3 for required courses.)

CERTIFICATE IN DATABASE MANAGEMENT TECHNOLOGIES (See page 4 for required courses.)

CERTIFICATE IN DATA/TELECOMMUNICATIONS (See page 4 for required courses.)

CERTIFICATE IN INFORMATION TECHNOLOGY (See page 4 for required courses.)

CERTIFICATE IN MULTIMEDIA APPLICATIONS (See page 3 for required courses.)

CERTIFICATE IN UNIX (See page 4 for required courses.)

CERTIFICATE IN DATABASE MANAGEMENT TECHNOLOGIES (See page 4 for required courses.)

INTERCOLLEGiate ARTS AND SCIENCES

12727 59.203-031	History of Art I: Prehistoric to Medieval Art	» Online Course	3	AHD	Liana Cheney
10248 59.363-031	Introduction to Disability Studies	» Online Course	3	P: 47.101; SSD	Lee Vorderer
12726 59.376-001	French Cinema and Society	Tues 7:00-10:00 pm	3	AHD	Valerie Paterson

LANGUAGES

(See also Cultural Studies)

8958 50.376-001	French Cinema and Society	Tues 7:00-10:00 pm	3	AHD	Valerie Paterson
12724 54.101-031	Spanish I and Culture	» Online Course	3	Microphone or headset recommended	Kimberly Virchkoski
12723 54.102-001	Spanish II and Culture	Wed 7:00-10:00 pm	3	P: 54.101 or equivalent	Ana Ruiz Ramirez
8540 54.102-031	Spanish II and Culture	» Online Course	3	P: 54.101 or equivalent; microphone or headset recommended	Kimberly Virchkoski
12176 54.211-001	Intermediate Spanish I and Culture	Mon 7:00-10:00 pm	3	P: 54.102 or equivalent	Department Faculty
8541 54.212-031	Intermediate Spanish II and Culture	» Online Course	3	P: 54.211 or equivalent; microphone or headset recommended	Maria Matz
12175 54.401-031	Spanish Selected Authors	» Online Course	3	Conducted in English; may be repeated	Francisca Gonzalez-Arias

CERTIFICATE IN SPANISH AND LATIN AMERICAN

LEGAL STUDIES					
(See also Paralegal Studies)					
8498 41.262-001	Introduction to Business Law	Tues 6:30-9:30 pm	3	Collateral CJ, required for legal studies; SS	William Burke
13328 41.262-031	Introduction to Business Law	» Online Course	3	Requires proctored exams	William Burke
9713 41.363-001	Corporate and Property Law	Thurs 6:30-9:30 pm	3	Requires MS Word	Eugene Reardon
9080 41.363-031	Corporate and Property Law	» Online Course	3	Requires MS Word	Ellen Curran
9714 41.366-031	International Law	» Online Course	3		Bernard Cookson
8499 41.370-031	Real Estate Law	» Online Course	3	Requires MS Word	Patricia Sullivan Talty
8500 41.376-001	Family Law	Mon 7:00-10:00 pm	3		Russell Karl
13198 41.376-061	Family Law (Accelerated Online Course: 1/28-4/12/08)	» Online Course	3	Microphone or headset required	Russell Karl
8972 41.379-001	The Relationship of Law, Logic and Ethics	Wed 7:00-10:00 pm	3		Paul King
11617 41.381-001	Women and the Law	Wed 7:00-10:00 pm	3		Janette Walsh
8501 41.381-031	Women and the Law	» Online Course	3		Donna Zils Banfield
13199 41.383-031	Alternative Dispute Resolution	» Online Course	3	Requires MS Word	Elizabeth Banks Crouch
13329 41.385-001	Immigration Law	Wed 7:00-10:00 pm	3		Marc Generazio
11620 41.387-001	Legal Research Methods	Wed 7:00-10:00 pm	3		Walter Toomey
8502 41.387-031	Legal Research Methods	» Online Course	3	Requires MS Word and requires law library access	Martha Lipchitz O'Connor
8503 41.390-001	Litigation	Wed 7:00-10:00 pm	3		Michael Martell
11621 41.390-031	Litigation	» Online Course	3		Ellen Marie Curran

UNDERGRADUATE CREDIT COURSES

ISIS Class No.	Course No.	Title	Days	Time	Cr (Con)	P: Prerequisite C: Corequisite/Comments	Instructor
9803	41.497-001	The Paralegal Practicum	TBA	TBA	3	P: Minimum of 3 paralegal courses permission of William Burke, Coordinator, Legal Studies; call 978-934-2765	William Burke
CERTIFICATE IN PARALEGAL STUDIES							
MANAGEMENT							
12606	61.300-001*	Investments	Mon	6:00-8:50 pm	3	P: COM Filter courses; BSBA or Business Minor students and COM Dean permission	Department Faculty
12615	61.300-031*	Investments	>Online Course		3	P: COM Filter courses; BSBA or Business Minor students and COM Dean permission	Frank Andrews
8544	61.301-001*	Business Finance	Wed	6:00-8:50 pm	3	P: 60.202, 49.201, 49.202, COM Filter courses; BSBA or Business Minor students and COM Dean permission	Devendra Prasad
8545	61.301-031*	Business Finance	>Online Course		3	P: 60.202, 49.201, 49.202, COM Filter courses; BSBA or Business Minor students and COM Dean permission; requires proctored exams and logarithm calculator	Yash Puri
8547	62.201-031	Marketing Principles	>Online Course		3	P: 49.201, 48.101, 47.101; requires proctored exams	Duncan LaBay
12612	62.302.001*	Marketing Research	Thurs	6:00-8:50 pm	3	P: 62.201; preference Marketing concentrators, COM filter courses	Srikant Vidali
12609	63.301-001*	Management Information Systems	Mon	6:00-8:50 pm	3	P: COM Filter courses; BSBA or Business Minor students and COM Dean permission	Moiz Bhindarwala
9100	63.301-061*	Management Information Systems (Accelerated Online Course: 1/28-4/12/08)	>Online Course		3	P: COM Filter courses; BSBA or Business Minor students and COM Dean permission; requires proctored exams	David Lewis
8549	63.371-001*	Operations Management	Tues	6:00-9:00 pm	3	P: 49.211, 63.210; BSBA students and COM Dean permission	M. Riaz Khan
13219	63.408-061*	Current Topics in Management Information Systems: Implementation of Enterprise Systems (Accelerated Online Course: 1/28-4/12/08)	>Online Course		3	P: 63.301; COM Filter courses and COM Dean permission	Luvai Motiwala
12617	64.362-001*NEW!	Corporate Entrepreneurship	Wed	6:00-8:50 pm	3	P: 61.310, 66.301; COM Filter courses and COM Dean permission	Ashwin Mehta
9672	66.210-001	Professional Communications	Thurs	6:00-8:50 pm	3		Department Faculty
9858	66.301-061*	Organizational Behavior	>Online Course		3	P: COM filter courses; BSBA or Business Minor/BSIT/ASIT students with 54+ credits and COM Dean permission; requires proctored exams	Stuart Freedman
13051	66.310-001*	Human Resources Management	Tues	6:00-9:00 pm	3	P: 66.301 and COM Dean permission	John Giarusso
8551	66.420-001*	Leadership Processes	Mon	6:00-9:00 pm	3	P: 66.301, COM Dean permission	Lawrence Cochran, Jr.
8553	66.490-001*	Strategic Management	Tues	6:00-8:50 pm	3	P: 96 credits and 61.301, 62.201, 63.371, 66.301, BSBA students and College of Management Dean permission	Yi Yang
*Before registering for all 300/400-level College of Management courses, students must meet all prerequisites and submit a "College of Management Dean Permission Request Form." Please visit http://continuinged.uml.edu/general/information.htm to fill out the form online.							
MATHEMATICS							
8968	90.111-001*	Fundamentals of Algebra	Tues	7:00-10:00 pm	3		Anthony Sokolowski
11622	92.120-001**	Precalculus Mathematics I	Tues	6:00-9:00 pm	3	P: 90.111 or equivalent or satisfactory score on the Math Placement Exam given the first evening of class; MA;	Ronald Brent
11623	92.120-002**	Precalculus Mathematics I	Thurs	6:30-9:30 pm	3	P: 90.111 or equivalent or satisfactory score on the Math Placement Exam given the first evening of class; MA;	Candice Weston
11626	92.120-031**	Precalculus Mathematics I	>Online Course		3	P: 90.111 or equivalent; MA; designed for students who can work independently in math	Alan Doerr
8605	92.122-001*	Management Calculus	Mon	7:00-10:00 pm	3	P: 90.119, 92.120 or 92.121 or equivalent; not for science or engineering majors; no credit toward degree in science or engineering; MA	Alexander Olsen
9806	92.123-001	Precalculus Mathematics II	Wed	6:30-9:30 pm	3	P: 92.120	Alan Kaplan
8973	92.125-001	Calculus A	Mon	6:30-9:30 pm	3	P: 92.123; MA	Robert Johnson
8974	92.126-001	Calculus B	Mon	6:30-9:30 pm	3	P: 92.125; MA	Alan Kaplan
8606	92.126-002	Calculus B	Wed	6:00-9:00 pm	3	P: 92.125; MA	Theresa Schille
9810	92.222-001	Linear Algebra II	Tues	6:00-9:00 pm	3	P: 92.221	Claudia Spiro
8607	92.225-001	Calculus C	Tues	6:00-9:00 pm	3	P: 92.126; MA	Philip Breen
8608	92.226-001	Calculus D	Mon	6:00-9:00 pm	3	P: 92.225; MA	Rida Mirie
11627	92.234-001	Differential Equations	Wed	6:00-9:00 pm	3	P: 92.225 or 92.132; MA	Rida Mirie
9670	92.283-001	Introduction to Statistics	Wed	7:00-10:00 pm	3	P: 90.111 or equivalent; MA	Alexander Olsen
11628	92.283-051	Introduction to Statistics (Accelerated Face-to-Face Course: 1/28-4/12/08)	Sat	10:00 am-2:00 pm	3	P: 90.111 or equivalent; MA	Department Faculty
9673	92.283-061	Introduction to Statistics (Accelerated Online Course: 1/28-4/12/08)	>Online Course		3	P: 90.111 or equivalent; MA	Ann Marie Hurley
9671	92.283-062	Introduction to Statistics (Accelerated Online Course: 1/28-4/12/08)	>Online Course		3	P: 90.111 or equivalent; MA	Ann Marie Hurley
8609	92.321-001	Discrete Structures I	Tues	6:00-9:00 pm	3	P: 90.119, 92.120 or 92.121	Anthony Penta
8610	92.321-031	Discrete Structures I	>Online Course		3	P: 90.119, 92.120 or 92.121; designed for students who can work independently in math	Alan Doer
13225	92.322-031	Discrete Structures II	>Online Course		3	P: 92.321	Kenneth Levasseur
10162	92.375-001	Senior Seminar I	TBA	TBA	1		Department Faculty
8975	92.386-001	Probability and Statistics I	Wed	6:00-9:00 pm	3	P: 92.225 or 92.132	Chittur Venkatesh
8611	92.411-001	Complex Variables I	Mon	6:00-9:00 pm	3	P: 92.226	Alexander Kheifets
8612	92.435-001	History of Mathematics	M/W	3:30-4:45 pm	3	P: 92.226 or 92.231 or equivalent	Enrique Gonzalez-Velasco
8613	92.448-001	Mathematics of Signal Processing	Tues	6:00-9:00 pm	3	P: 92.234/ 92.221	Charles Byrne
8614	92.450-001	Mathematical Modeling	Wed	6:00-9:00 pm	3	P: 92.234	Viktor Shubov
9807	92.454-001	Numerical Analysis II	Wed	6:00-9:00 pm	3	P: 92.362	Department Faculty
9239	92.466-001	Statistical Programming Using SAS	Tues	6:00-9:00 pm	3		Loren Lidsky
11793	92.475-001	Senior Seminar II	TBA	TBA	3	P: Permission of Coordinator	Department Faculty
*Fundamentals of Algebra (90.111) is a preparatory course and cannot be credited toward a degree program at the University of Massachusetts Lowell.							
**Credit is given for only one of the three following courses: 90.119, 92.120 or 92.121. For students in the Information Technology Program, 92.120 or 92.121 can be substituted for the combination of 90.112 and 90.119.							
University of Massachusetts Lowell day students must have approval from their Department Chairperson before taking courses with a 90 prefix. Many 500-level courses are well within the grasp of upper level undergraduates and may be used as electives. Contact the Graduate School for course listings and admissions procedures.							
MECHANICAL ENGINEERING TECHNOLOGY							
8480	23.101-001	Engineering Graphics	Mon	7:00-10:00 pm	2 (3)		Bradley Mingels

UNDERGRADUATE CREDIT COURSES

ISIS Class No.	Course No.	Title	Days	Time	Cr (Con)	P: Prerequisite C: Corequisite/Comments	Instructor
8481	23.102-001	Engineering Design and Graphics	Wed	6:00-9:00 pm	3	P: 23.101	Robert Tuholksi
8482	23.200-031	Computer-Aided Drafting	» Online Course		3	P: 23.101; textbook includes AutoCAD® 2005	Norman Truscott
8483	23.202-001	Thermo/Fluids Laboratory	Wed	6:30-9:30 pm	2 (3)	P: 23.241, 23.242, 42.226	Glenn Sundberg
8484	23.222-001	Dynamics (alternate 15.238)	Thurs	7:00-10:00 pm	3	P: 92.126, 23.221	John Coluccini
9652	23.243-001	Elements of Thermodynamics II	Tues	7:00-10:00 pm	3	P: 23.241	John Coluccini
8485	23.262-031	Engineering Data Analysis	» Online Course		3	P: 92.126	Bradley Mingels
8486	23.302-001	Mechanics/Materials Laboratory	Thurs	6:00-9:00 pm	2 (3)	P: 23.222, 23.223	Glen Bousquet
8487	23.305-001	Manufacturing Processes	Mon	7:00-10:00 pm	3	P: 23.301 or equivalent	Glenn Sundberg
9040	23.353-031	Forensic Engineering	» Online Course		3		Michael Berry
8488	23.354-001	Problems in Mechanical Engineering Technology	Thurs	6:00-9:00 pm	3	P: 92.225, 23.320, 23.222, 23.223	Thomas Harty
8489	23.480-031	Computer-Aided Design	» Online Course		3	P: 23.200; textbook includes Autodesk® Inventor™	Timothy Looney
9041	23.484-031	Introduction to Pro/ENGINEER®	» Online Course		3	P: 23.200; requires PTC Pro/ENGINEER® Wildfire 2.0 Student Edition	Paul Rich
8490	23.485-031	Introduction to SolidWorks®	» Online Course		3	P: Experience in CAD or AutoCAD or Pro-E; textbook includes SolidWorks®	Norman Truscott
8992	27.458-001	Selected Topics VIII: Robotics	Thurs	6:00-9:00 pm	3		Robert Husson
CERTIFICATE IN COMPUTER-ASSISTED MANUFACTURING							
CERTIFICATE IN MANUFACTURING TECHNOLOGY							

MULTIMEDIA APPLICATIONS

(See courses listed under Information Technology.)

CERTIFICATE IN MULTIMEDIA APPLICATIONS (See page 3 for required courses.)

MUSIC						
8557	71.110-001	Basic Music Theory	Mon	7:00-10:00 pm	3	Non-Music Majors only, AE/AH

PARALEGAL STUDIES

(See also Legal Studies)

8497	41.103-031	Introduction to Paralegal Studies	» Online Course		3	BS	Donna Zils Banfield
9713	41.363-001	Corporate and Property Law	Thurs	6:30-9:30 pm	3	Requires MS Word	Eugene Reardon
9080	41.363-031	Corporate and Property Law	» Online Course		3	Requires MS Word	Ellen Marie Curran
8499	41.370-031	Real Estate Law	» Online Course		3	Requires MS Word	Patricia Sullivan Talty
8500	41.376-001	Family Law	Mon	7:00-10:00 pm	3		Russell Karl
13198	41.376-061	Family Law (Accelerated Online Course: 1/28-4/12/08)	» Online Course		3	Microphone or headset required	Russell Karl
11620	41.387-001	Legal Research Methods	Wed	7:00-10:00 pm	3		Walter Toomey
8502	41.387-031	Legal Research Methods	» Online Course		3	Requires MS Word and law library access	Martha Lipchitz O'Connor
8503	41.390-001	Litigation	Wed	7:00-10:00 pm	3		Michael Martell
11621	41.390-031	Litigation	» Online Course		3		Ellen Marie Curran
9803	41.497-001	The Paralegal Practicum	TBA	TBA	3	P: Minimum of 3 paralegal courses and permission of William Burke, Coordinator, Legal Studies; call 978-934-2765	William Burke

CERTIFICATE IN PARALEGAL STUDIES

PHILOSOPHY							
8521	45.201-001	Introduction to Philosophy	Tues	7:00-10:00 pm	3	VC, AHE	Michael Koran
8522	45.201-031	Introduction to Philosophy	» Online Course		3	VC, AHE	Donald LeBlanc
8523	45.202-001	Introduction to Logic and Critical Reasoning	Thurs	7:00-10:00 pm	3	VC, AHE	Peter Skagestad

CERTIFICATE IN CONTEMPORARY COMMUNICATIONS (See page 4 for required courses.)

PHYSICS							
9808	99.101-031	Radiation and Life	» Online Course		3		Thomas Regan
8618	99.131-001*	Technical Physics I	Thurs	7:00-10:00 pm	3	(3.5)C: 92.125; SL	Nancy Sullivan
8619	99.132-001*	Technical Physics II	Wed	7:00-10:00 pm	3	(3.5)P: 99.131; SL	Rick D'Alarcao
9763	99.133-001*	Technical Physics III	Tues	7:00-10:00 pm	3	(3.5)P: 99.132; 92.126; SL	Chandrika Narayan

*Two Friday night classes required.

PLASTICS							
13330	27.343-001	Principles of Compounding	Wed	6:00-9:00 pm	3		Steven Quigley
13195	27.375-001	Injection Molding Simulations Using Moldflow™	Tues	6:00-9:00 pm	3		Daniel Ward
9802	27.440-001	Commercial Development of Plastics	Mon	6:00-9:00 pm	3		Stephen Driscoll
8491	27.452-001	Selected Topics II	Mon	6:00-9:00 pm	3		Department Faculty
8492	27.454-001	Selected Topics IV	Tues	6:00-9:00 pm	3		Department Faculty
8493	27.456-001	Selected Topics VI	Wed	6:00-9:00 pm	3		Department Faculty

CERTIFICATE IN PLASTICS ENGINEERING TECHNOLOGY (See page 4 for required courses.)

POLITICAL SCIENCE							
12689	46.101-001	Introduction to American Politics	Tues	7:00-10:00 pm	3	BS/SS	Jeffrey Gerson
8999	46.101-031	Introduction to American Politics	» Online Course		3	BS/SS	Jason Carter
9545	46.112-001	Introduction to Comparative Political Systems	Sat	9:00am-Noon	3	BS/SSD	Tracey LaFauci
9546	46.121-031	Introduction to International Relations	» Online Course		3	BS/SSD	Jason Carter
12728	46.210-031	Media and Politics	» Online Course		3		Susan Gallagher
12729	46.265-001	State and Local Politics	Wed	7:00-10:00 pm	3		Dennis Deeb
12730	46.270-001	Legislative Politics	Mon	7:00-10:00 pm	3		Michael Walsh
12731	46.316-001	Politics and Film	Thurs	7:00-10:00 pm	3		Jeffrey Gerson
12732	46.353-061	Public Policy and Administration (Accelerated Online Course (1/28-4/12/08))	» Online Course		3		Francis Talty
9561	46.368-001	Middle Eastern Politics	Tues	7:00-10:00 pm	3		Steven Clinkenbeard

PSYCHOLOGY							
8525	47.101-001	General Psychology	Mon	6:30-9:30 pm	3	SS	John Kendrick
8526	47.101-061	General Psychology (Accelerated Online Course: 1/28-4/12/08)	» Online Course		3	SS; requires MS Word	Meredith Stanford-Pollock
8976	47.232-061	Psychology of Personality (Accelerated Online Course: 1/28-4/12/08)	» Online Course		3	P: or C: 47.101; SS; requires MS Word	Joan Cannon
8527	47.255-061	Community Psychology (Accelerated Online Course: 1/28-4/12/08)	» Online Course		3	P: or C: 47.101; SSD	Erika Sanborne
9077	47.260-061	Child and Adolescent Development (Accelerated Online Course: 1/28-4/12/08)	» Online Course				

UNDERGRADUATE CREDIT COURSES

ISIS Class No.	Course No.	Title	Days	Time	Cr (Con)	P: Prerequisite C: Corequisite/Comments	Instructor
8529	47.272-031	Abnormal Psychology		» Online Course	3	P: 47.101; SS; requires MS Word	Richard Siegel
11991	47.273-061 NEW!	Brain, Mind, and Behavior (Accelerated Online Course: 1/28-4/12/08)		» Online Course	3	P: 47.101	Mary Duell
9647	47.276-001	Theories of Learning	Wed	6:30-9:30 pm	3	P: 47.101; SS	Soterios Hantzis
11992	47.308-001 NEW!	Industrial/Organizational Psychology	Tues	6:30-9:30 pm	3	P: 47.101	Michelle Haynes
8530	47.328-001	Dynamics of Interpersonal Relations	Mon	6:30-9:30 pm	3	P: 47.101	Deborah Busser
8986	47.335-061	Psychology and Women (Accelerated Online Course: 1/28-4/12/08)		» Online Course	3	P: 47.101; SS	Mary Francis Drake
9000	47.351-061	Human Sexuality (Accelerated Online Course: 1/28-4/12/08)		» Online Course	3	P: 47.101; SS	Mary Duell
8532	47.363-031	Introduction to Disability Studies		» Online Course	3	P: 47.101; SSD	Lee Vorderer
9648	47.472-061	Seminar: Personality (Accelerated Online Course: 1/28-4/12/08)		» Online Course	3	P: 47.101, 47.269	Joan Cannon
SOCIOLOGY							
8533	48.101-001	Introduction to Sociology	Thurs	7:00-10:00 pm	3	SSD	Levon Chorbajian
11674	48.101-051	Introduction to Sociology (Accelerated Face-to-Face Course: 1/28-4/12/08)	Sat	9:00 am-1:00 pm	3	SSD	Levon Chorbajian
11675	48.111-001	A Novel Approach to Sociology	Thurs	7:00-10:00 pm	3		William Lekas
11676	48.112-001	Sociology Goes to the Movies	Mon	7:00-10:00 pm	3		William Lekas
9001	48.220-061	Self-Assessment and Career Development (Accelerated Online Course: 1/28-4/12/08)		» Online Course	3		Mary Francis Drake
13478	48.351-031	Sociology of Health and Healthcare		» Online Course	3	P: 48.101	John Ost
TECHNICAL WRITING							
8967	42.412-001	Software Writing	Tues	6:00-9:00 pm	3	P: 42.408	Stephen Murphy
CERTIFICATE IN TECHNICAL WRITING (See page 4 for required courses.)							
WATER/WASTEWATER OPTION							
(See courses listed under Civil Engineering Technology: Water/Wastewater Option)							
CERTIFICATE IN WASTEWATER TREATMENT							
CERTIFICATE IN WATER TREATMENT							
WEBSITE DESIGN AND DEVELOPMENT							
(See courses listed under Information Technology)							
CERTIFICATE IN WEBSITE DESIGN AND DEVELOPMENT (See page 3 for required courses.)							
WOMEN'S STUDIES							
11617	41.381-001	Women and the Law	Wed	7:00-10:00 pm	3		Janette Walsh
8501	41.381-031	Women and the Law		» Online Course	3		Donna Zils Banfield
8986	47.335-061	Psychology and Women (Accelerated Online Course: 1/28-4/12/08)		» Online Course	3	P: 47.101; SS	Mary Francis Drake

note:

CSCE students matriculating in Fall 2005 and subsequent semesters are responsible for meeting the General Education 2000 requirements.

Please see an advisor for further details and visit the website at <http://www.uml.edu/gened>

NEW! UMASS LOWELL ANNOUNCES THE ONLINE MBA!



Ranked by



as one of America's
Best Business Schools.



THE BEST BUSINESS SCHOOLS
IN THE WORLD

UMass Lowell's College of Management is accredited by the Association to Advance Collegiate Schools of Business (AACSB) International.

UMass Lowell's College of Management, a leader in quality management education and an accredited member of the industry's top accreditation association, recently announced that they are making their popular MBA program available online so that students both near and far can benefit from the program's commitment to excellence.

• Master of Business Administration — Earn Your MBA Online!

<http://continuinged.uml.edu/online/mba/>

Designed to prepare managers to effectively lead organizations in rapidly changing and diverse regional, national, and global competitive environments, the MBA program at UML integrates theory and practice, using case studies, experiential learning techniques, and field programs applicable to a wide variety of commercial, industrial and not-for-profit settings. The degree is available entirely online, on campus, or as a mix of online and on campus courses.

• Foundations of Business Graduate Online Certificate Program

<http://continuinged.uml.edu/online/foundofbusiness.htm>

Consisting of six 2-credit courses, this graduate-level certificate program is designed to provide students with a thorough knowledge of the traditional functional areas of business that an undergraduate business degree offers. This program offers an excellent opportunity for people with non-business backgrounds to earn a graduate-level certificate while they attain the appropriate foundation knowledge required for the MBA. Completion of the program will satisfy the foundation portion of the MBA program for those going on to earn their MBA degree.

For more information, contact Gary Mucica, Director of Management Graduate Programs, (978) 934-2853 or Kathleen Rourke, Coordinator of Management Graduate Programs, (978) 934-2848.

GRADUATE STUDIES AT UMASS LOWELL

Quality Graduate Education at an Affordable Cost

► 1-800-656-GRAD

► www.uml.edu/grad

► graduate_school@uml.edu



University of
Massachusetts
Lowell

UMASS LOWELL OFFERS A WIDE VARIETY
OF GRADUATE-LEVEL DEGREE AND
CERTIFICATE PROGRAMS.

Begin Your Graduate Studies This Spring!

Enroll in graduate courses as a non-degree student and take up to 12 graduate credits before formal application to a graduate degree program (in most programs).

SPRING 2008

Walk-In Registration & Information Session

January 9, 3:00-7:00pm

Durgin Hall, UML South

• Graduate Faculty Advising

• Course Registration

• Refreshments

To access additional, detailed information, visit the Graduate Admissions Website:

<http://www.uml.edu/grad>

General Information

Registrar's Office Hours

Dugan Hall 104, UML South
Monday-Thursday: 8:30 am-8:00pm
Friday: 8:30 am-5:00 pm

Continuing Studies, Corporate and Distance Education Office Hours

Paley Room, Southwick 202, UML North
Monday-Thursday: 8:30 am-8:00 pm
Friday: 8:30 am-5:00 pm

Holiday Hours and Special Hours

December 25: (Holiday)
December 26-28: 8:30 am-5:00 pm
January 1: (Holiday)
January 9 Open House
January 21: Martin Luther King Day (University closed)
February 18: Presidents' Day (University closed)
March 16-22: Spring Recess
April 21: Patriots' Day (University closed)
April 23: Last day for students to complete work for incomplete Fall 2007 semester courses

Winter Interession 2008: Jan. 2 through Jan. 17

Commencement: May 31, 2008

Phone Directory

Accounts Receivable	.....(978) 934-3570
Bookstore — UML North	.....(978) 934-2623
Bookstore — UML South	.....(978) 934-6908
Continuing Studies	
Main Number	.....(978) 934-2474
Faculty and Student Support Center	.....(978) 934-2474
Fax Number	.....(978) 934-4006
Registrar's Office	.....(978) 934-2550
Fax Number	.....(978) 934-4076
Graduate School of Education	.....(978) 934-4600
ISIS HELP Desk	.....(978) 934-4357
Library — UML North	
(Alumni/Lydon)	.....(978) 934-3205
Library — UML South	
(O'Leary)	.....(978) 934-4550
UMass Lowell Main Number	.....(978) 934-4000
UMass Lowell Directions	.....(978) 934-5800 or www.uml.edu/maps
Weather Cancellations	.....(978) 934-2121
Billing Information	.....(978) 934-3570

See our Website at <http://continuing.uml.edu>

Academic Information

The University of Massachusetts Lowell is accredited by the New England Association of Schools and Colleges, which accredits schools and colleges in the six New England states. Membership in the Association indicates that the institution has been evaluated carefully and meets the standards agreed upon by qualified educators. The programs in Civil Engineering Technology, Electronic Engineering Technology, and Mechanical Engineering Technology are accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology. The Bachelor of Science in Business Administration (BSBA) is accredited by the AACSB — The International Association for Management Education.

Catalog

Students should refer to the Continuing Studies and Corporate Education catalog for rules, regulations, program outlines, and course descriptions. The catalog is available online at <http://continuing.uml.edu>.

Admission into an Undergraduate Certificate or Degree Program

Students who have graduated from high school or who have earned a high school equivalency certificate are invited to apply for programs leading to a Certificate or an Associate's or Bachelor's degree. Applications for all programs are accepted on a rolling admissions basis. Please send applications to UML Admissions/Continuing Studies and Corporate Education, c/o Kathleen Shannon, Dugan Hall 110, 883 Broadway Street, Lowell, MA 01854-5104. Note, there is a \$40 application fee for admission into the undergraduate degree programs. Please mail the fee along with your completed degree program application form. For a listing of our degree and certificate programs, please see pages 3-6. A student enrolled in any of our degree or certificate programs should schedule an appointment with the appropriate program advisor to help plan a schedule for degree or certificate completion. Please call Continuing Studies at (978) 934-2474 to learn about our programs or see our website at <http://continuing.uml.edu>

Admission into a Graduate Certificate or Degree Program

Students interested in applying into Graduate degree or certificate programs should access www.uml.edu/grad. Students with Bachelor's degrees from accredited

institutions are eligible to enroll as non-degree students for a total of 12 credits prior to matriculating into formal Graduate degree programs. Students must formally apply to Graduate certificate programs before enrolling in Graduate courses intended for specific certificate programs.

Undergraduate Degree Completion

Students who expect to complete their degree requirements in the 2007-2008 academic year must arrange for a graduation interview. Please call Continuing Studies at (978) 934-2474. Students who anticipate graduating at the end of the Fall 2007 semester must complete the interview process by November 30, 2007. Students who anticipate graduating at the end of the Spring 2008 semester must complete the interview process by April 25, 2008. The University officially awards degrees to the Fall graduates in February of the following semester, and diplomas are available for students in March. Commencement will be held on May 31, 2008.

Undergraduate Certificate Completion

When a student completes the necessary courses for a certificate program, the student should complete and submit a Certificate Award Petition and exit survey to Continuing Studies and Corporate Education. See the Continuing Studies website under Miscellaneous Forms at <http://continuing.uml.edu>.

Course Grades

Grades for the Fall semester will be available on ISIS, the Intercampus Student Information System.

Faculty & Student Support Information

Students are welcome to drop by Continuing Studies, located in the Paley Room, Southwick Hall 202, UML North from 8:30 am to 8:00 pm Monday-Thursday and 8:30 am to 5:00 pm Friday to obtain general information on Associate's and Bachelor's degrees and certificate programs, and/or to obtain brochures. Call (978) 934-2474 for information or email to Continuing_Education@uml.edu. For questions on Graduate programs, see the website at www.uml.edu/grad.

Appointments with Faculty Program Coordinators

Students are encouraged to review their transcripts and their curriculum programs. Students may schedule appointments with Faculty Program Coordinators and Faculty and Student Support Specialists to discuss transcript issues, program degree requirements and other academic matters. In addition, Faculty Evening Supervisors are available to answer questions and conduct status reviews. Students are encouraged to call Continuing Studies and Corporate Education at (978) 934-2474 to schedule an appointment. Most appointments are held on UML North in the Faculty and Student Support Center. Appointments for the Liberal Arts programs are held in Coburn Hall, Room 105, UML South. Phone interviews also are available. You may also email our Program Coordinators and Faculty Support Specialists.

Faculty Program Coordinators and Advisors

Biology, Chemistry, Environmental Science, Physics:

Paul Damour, Associate Professor

Civil Engineering Technology:

Michael Berry

Electronic Engineering Technology:

Fahd Wakim, Associate Professor

Electronic Engineering Technology:

Luciano Boglione, Assistant Professor

Information Technology:

Ann Marie Hurley, Professor

Liberal Arts, Criminal Justice, Paralegal Studies:

Joseph Lipchitz, Professor

Mathematics: Alan Doerr, Professor

Mechanical Engineering Technology:

Robert Tuholski, Professor, Engineering

Technology Department Head

Mechanical Engineering Technology:

Glenn Sundberg, Associate Professor

Plastics Engineering Technology:

Stephen Driscoll, Professor

Psychology:

Richard Siegel, Professor

Faculty Evening Supervisors

Professor Alan Doerr

Professor Bernard Shapiro

Academic Calendar

Spring 2008



Classes Begin Monday, January 28

Most Face-to-Face courses are held from 7:00-10:00 pm unless otherwise indicated. Make-up classes are held on Fridays.

Monday Classes

January 28
February 4, 11, 19 (Tuesday), 25
March 3, 10, 24, 31
April 7, 14, 28
May 5
Final Exam: May 12

Tuesday Classes

January 29
February 5, 12, 26
March 4, 11, 25
April 1, 8, 15, 22, 29
May 6
Final Exam: May 13

Wednesday Classes

January 30
February 6, 13, 20, 27
March 5, 12, 26
April 2, 9, 16, 23
May 7
Final Exam: May 14

Thursday Classes

January 31
February 7, 14, 21, 28
March 6, 13, 27
April 3, 10, 17, 24
May 1
Final Exam: May 8

Saturday Classes

These classes will be held 9:00 am-Noon.
February 2, 9, 16, 23
March 1, 8, 15, 29
April 5, 12, 19, 26
May 3
Final Exam: May 10

Makeup Dates for Classes (Fridays)

February 29, March 28, May 2

Online Courses (14-Week) (-031)

January 28 – May 22

Accelerated Face-to-Face Courses (10-Week) (Section -051)

These classes will be held from 9:00 am to 1:00 pm on Saturdays
January 28 – April 12

Accelerated Online Courses (10-Week) (Section -061)

January 28 – April 12

8-Week Online Graduate Courses (-031)

Session I:

January 28 – March 29

Session II:

March 31 – May 22

Registration Information

Student Information System

When using ISIS, the Student Information System, Undergraduate, Graduate, and Continuing Studies students are able to perform the following transactions:

- search the course catalog and schedule of classes
- register for classes as well as add, drop and swap classes
- request official transcripts and designate the recipients of transcripts
- pay a bill
- accept and decline financial aid

Students also can access and print their:

- class schedules located under "View my class schedule"
- grades
- unofficial transcripts
- degree audit (View progress made toward a degree)
- advisor's name
- student invoice
- financial aid information

For more information, check out the "More Info" section at: <http://www.uml.edu/it/isis/studentss.html>

If you have a problem accessing your account, please contact the help desk at (978) 934-4357.

Returning students (i.e., students who have been enrolled in a course at any time during the last three semesters) can register and pay for courses online by using ISIS (Inter-Campus Student Information System). Returning students will have a User ID generated for them. To look up your ID, go to <http://isis.uml.edu> and click User ID Lookup. Once you have obtained your User ID, follow these easy steps to register for classes.

1. From any PC with an internet connection, go to <http://isis.uml.edu>.
2. Click Student Self-Service Login.
3. Enter your User ID and password into the appropriate fields and click Submit.
4. Click Academics.
5. Click Enroll in a Class.
6. Select Term.
7. Click Add Classes.
8. Type the **Class Number** in the **Class Nbr** field. Please note, the class number is different from the course number.
9. You can search for the class number by clicking the magnifying glass. Enter the first two digits of the course number (found in the brochure), into the subject area. Then enter the following three numbers of the course number into the catalog number box and then hit search. You can also find the class number and the course number on the CSCDE website <http://continuing.uml.edu> or www.uml.edu/admin/registrar or in the CSCDE bulletin.
10. Repeat Step 8 until all desired classes have been added.
11. Click the **Submit** button.

New students should use the mail, fax, or walk-in options to register. Once the new student registration has been processed by the Registrar's Office, the student will receive an email to his/her personal email account (if provided) or receive a letter mailed to his/her home. The student should check <http://isis.uml.edu> and then click on the User ID lookup. You can also access the new student checklist and information on online course confirmation (if applicable) available at <http://continuing.uml.edu>. After you have obtained your ID number, you can log into <http://isis.uml.edu> and view your schedule.

Mail-In Registration:

Fill out the registration form and return it to:

1. University of Massachusetts Lowell
Registrar's Office
883 Broadway Street, Dugan 104
Lowell, MA 01854-5104
2. For classroom location and other scheduling information, please visit the Inter-Campus Student Information System (ISIS).

Fax-In Registration:

Fill out the registration form and fax it to (978) 934-4076.

Every effort has been made to ensure the accuracy of the information presented in this bulletin. However, Continuing Studies and Corporate Distance Education (CSCDE) reserves the right to implement new rules and regulations and to make changes of any nature in its program, calendar, procedures and standards, degree requirements, and academic schedules (including, without limitations, changes in course content and class schedules), locations, tuition, and fees. Whenever possible, appropriate notice of such changes will be given before they become effective. When changes are necessary, Continuing Studies exerts reasonable efforts to provide comparable or substantially equivalent instructional services and facilities for those originally designated. However, CSCDE assumes no liability for failure to deliver or for delay in delivering such services (including those in support of academic functions or student life) when the causes for such failure or delay are beyond the reasonable control of Continuing Studies – which causes include, without limitation, the following: power failure, fire, accident, natural disaster, work slowdown and strikes, loss of personnel, and acts of public authorities. In registering for courses, each student assumes full responsibility for knowledge of and compliance with the definitions, regulations, and procedures for the University as set forth in the appropriate publications and bulletins.

This newspaper is printed at no cost to the Commonwealth of Massachusetts. The University of Massachusetts Lowell is an Equal Opportunity/Affirmative Action University and does not discriminate in employment or access to programs or services on the basis of race, sex, sexual orientation, color, national origin, religion, handicap, or veteran's status and is in compliance with Title IX of the Education Amendments of 1972 and Section 504 of the Rehabilitation Act of 1973, and the Americans With Disabilities Act, 1990. Any inquiries and/or grievances may be referred to the Affirmative Action Officer, the Title IX Coordinator, the Disabilities Coordinator and/or to the Director, Office for Civil Rights, U.S. Department of Health and Human Services, Washington, D.C.

Walk-In Registration is held at the Registrar's Office, 883 Broadway Street, Dugan Hall 104, UML South, Lowell, MA 01854-5104.

Please refer to the Registrar's Office for walk-in registration hours. Students are encouraged to use ISIS, the Web-Based Self-Service System whenever possible.

Students taking Online courses must obtain a UML email address as well as a log-on password. Please see the New Student Registration Form and Checklist posted on the CSCDE or UML Registrar's website. The checklist will facilitate the process to access your Online courses.

Add/Drop Period

Undergraduate

	Add	Drop
On-Campus Courses	Without permission 2/1 With permission 2/8	2/8

Online Courses (Section -031)	Without permission 2/1 With permission 2/8	2/8
--------------------------------------	---	-----

Accelerated Courses Face-to-Face (10-Week) (Section -051)	Without permission 2/1 With permission 2/8	2/8
--	---	-----

Online Courses (10-Week) (Section -061)	Without permission 2/1 With permission 2/8	2/8
--	---	-----

Graduate

	Add	Drop
Off-Campus Courses (Section -041)	2/8	2/8

Online Courses (Section -031)	2/8	2/8
--------------------------------------	-----	-----

Accelerated Online Courses (Section -061)	2/8	2/8
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8-Week Online Courses (Section -031)

	Add	Drop
Session I	2/8	2/8

Session II	4/11	4/11
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Add/Drops can be processed in ISIS or Registrar's Office, UML South, Dugan Hall 104, 883 Broadway Street, Lowell. Changes from credit to audit and audit to credit status are limited to this two-week period.

Withdrawal with "W" Notation

Undergraduate

On-Campus	4/14
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Online (Section -031)	4/14
------------------------------	------

Accelerated Courses Face-to-Face (Section -051)	3/17
--	------

Online (10-Week) (Section -061)	3/17
--	------

Graduate

Off-Campus (Section -041)	5/7
----------------------------------	-----

Online (Section -031)	5/7
------------------------------	-----

Accelerated Online (Section -061)	3/17
--	------

8-Week Online (Section -031)

	Add	Drop
Session I	3/3	

Session II	5/7	
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Students withdrawing from any class can do so by using ISIS, <http://isis.uml.edu>. **Verbal messages to faculty and staff do not constitute official notification.**

Wait Listing

You may now put yourself on a wait list through ISIS if the course you want is full. When you try to register for a closed course, the system will ask you if you want to be

put on a wait list. The wait list function also allows you to list a course you would like to drop if you are allowed into the closed course.

If space becomes available in a course, the wait list function will add you into the class in the order of your request. Please note that you will not be notified if you are put into the closed course. Check your schedule in ISIS to see if you are registered for the closed course.

If you no longer wish to register for a course you are wait listed for, you must remove yourself from the wait list through ISIS. If you do not remove yourself from the wait list, you run the risk of being registered for a course and will be responsible for the grade received as well as the tuition and fees incurred.

Email

A significant number of communications concerning the new Student Information System will be delivered to students via email. Information about the availability of class schedules, grade reports and financial awards that can be accessed using ISIS, the Web-Based Self-Service, will be sent to students via email.

To address this change in practice, UMass Lowell has implemented a new, robust email system and assigned UML email addresses to all students, including those enrolled in continuing studies courses. In addition, a new policy has been approved that supports email as an official means of communication and assigns responsibility to students for maintaining their UML email accounts.

Students should be using their UML accounts with the @student.uml.edu suffix to ensure they receive timely communications from the University. Please see <http://email.uml.edu> and check the student email link. New students will receive a letter from the Information Technology Office with their new UML email address.

Identification Card

All CSCDE students who are using facilities on campus are required to obtain a photo ID card from the Access Services Office located in the UML South Dining Hall. The ID card is needed to access gated parking lots and labs. The office is open Monday through Friday from 8:30 a.m. to 7:00 p.m. during the first two weeks of school, until 6:30 p.m. afterwards.

Contact the Access Services Office at (978) 934-4211, email: Access_Services@uml.edu, if you have any questions.

Student ID Number

Your student ID number is your ISIS/UMass System number. To obtain your number go to <http://isis.uml.edu> and click on the user ID look up.

Institutional Disclosure

The University is required to disclose the availability of various types of information related to Federal programs and mandates under the Higher Education Acts. This information is located on the UML web at: <http://www.uml.edu/student-services/dean/disclosure.html>

Students with Disabilities

A student with a disability who needs special arrangements should contact the Counseling Center, at (978) 934-4574 early in the registration process. Special advising, registration assistance, preferential scheduling, and alternative examination procedures are available. Special parking is also available on a temporary basis.

The University's Annual Campus Crime and Safety Report

Under the Regulations of the Safe and Drug-Free Schools and Communities Act and the Jeanne Clery Act (formerly the Campus Security Act), the University is required annually to distribute to all faculty, staff and students a copy of the Annual Crime Report and the University's Policies and Procedures related to alcohol, other drugs, and sexual assault. These regulations permit us to publish this report electronically, and the current report is available on the internet at <http://www.uml.edu/police>.

Bookstore Locations

UML North — Falmouth First Floor, (978) 934-2623
UML South — UML South Dining Hall, (978) 934-6908
Please call the Bookstore to confirm the location of your textbook.

Students taking online courses can order books through the UMass Lowell Bookstore at <http://umlowell.bkstore.com>.

Financial Information

Tuition is priced on the listed credit hour unless the contact hour is different. Tuition is then based on the listed contact hour. See information on Financial Aid, TERI Loans, and Scholarships on our website at <http://continuing.uml.edu>.

Tuition and Fee Information	Per Credit/Contact Hr.
Undergraduate Tuition	\$285.00
Undergraduate Audit	\$285.00
Undergraduate Off-Campus Courses/Audit*	\$285.00 to \$300.00
Undergraduate Online Courses	\$300.00
Undergraduate Online Courses Audit	\$300.00
Graduate Online Professional Courses and Audit (Other than M.B.A. Online)	\$465.00
M.B.A. Online Courses	\$500.00
Graduate On-Campus and Off-Campus Courses and Audit* (Other than M.B.A. Online)	\$465.00
Registration Fee per Term (non-refundable)	\$30.00
Late Fee for Non Payment	\$50.00
Fee for Undergraduate Degree application	\$40.00

Please note: Cost per credit includes access fee (parking and access to WebCT).

*Note: Some tuitions may vary depending on customization and customer and program requirements.

Students who have checks returned due to insufficient funds will be charged a \$30.00 insufficient funds fee.

Payment Options

Payments may be made by cash, check, money order, M/C, Visa and Discover. Mail payments (made payable to UMass Lowell) to:
UMASS LOWELL
Attn: Treasury Office
883 Broadway St., Room 106
Lowell, MA 01854-5109

Payments may also be made in person at the cashier's window, Room 106, Dugan Hall, UML South.

Please note, a cash payment cannot be accepted after 4 pm.

Students may also make a payment or view accounts online by logging on to the Student Information System (ISIS).

Overdue Accounts

Students will be permitted to attend class and to utilize facilities only after they have cleared all their financial obligations to the University. In addition, student transcripts and diplomas will not be released until all debts have been paid.

All students are advised that the University uses the services of collection agencies authorized under the Commonwealth's Master Service Agreement. Students with a prior semester balance who are not enrolled for the current semester and are referred to a collection agency are held liable for all associated collection costs which may be substantial.

Directed Studies

Directed Studies, Practicums, Internships, and Applied Music Lessons are considered Special Programs and, as such, tuition remission, waivers, and certificates of eligibility cannot be accepted.

NOTE: Veterans' Information

Veterans must be matriculated in an undergraduate degree program and have all appropriate paperwork on file in the Registrar's Office, UML South, Dugan Hall 104, 883 Broadway Street, Lowell. For additional information, please see the website at http://www.uml.edu/admin/registrar/veterans/Veterans_Tuition_Waiver.html for detailed information.

Veterans' waivers are available for on-campus undergraduate courses provided there is a sufficient number of tuition-paying students enrolled to bear the cost of instruction and provided there is space available. Due to the high cost of online and off-campus courses, there are no waivers available for these courses. There are no waivers for Directed Studies, Practicums, and Internships. Merit and Need-Based Assistance Grants for online courses may be available to veterans who are presently enrolled in undergraduate degree and certificate programs and who are making satisfactory academic progress towards their degrees or certificates.

International Students

International students registering for continuing studies classes or enrolling in programs must provide proof of Visa status. Please submit a copy of your current Visa

with your registration form. Students with F-1 or J-1 Visa status must provide a copy of their I-20 or DS-2019 form. These students will be allowed to count, per semester, only one distance learning (online) course, or 3 credits, toward the full-time undergraduate course load (12 hours) or the full-time graduate course load (9 hours). The ultimate responsibility to know and follow the USCIS rules rests upon the students themselves. Students holding B-1, B-2, or F-2 Visas may not register for any academic classes. The University of Massachusetts Lowell does not issue I-20 Forms for any Continuing Studies programs. Please contact the International Students and Scholars Office at ISSO@uml.edu with any questions.

Third-Party Payment

All students using company direct payment, military plans, state tuition waivers, or veterans' waivers must mail original authorization forms to UMass Lowell, Accounts Receivable Office, 883 Broadway Street, Room 101, Lowell, MA 01854-5110. Copies and/or faxes of tuition waivers cannot be honored. No tuition refund is awarded for late submission of eligibility form. Students receiving company reimbursement must prepay their own tuition. The University does not honor company reimbursement contingent upon grades.

NOTE: Senior Citizens

Senior citizens (60 years or older) who are Massachusetts residents may attend classes in Continuing Studies credit programs tuition-free provided that there is a sufficient number of tuition-paying students enrolled to bear the cost of instruction and provided there is space available.

Please note that waivers are not retroactive and do not cover registration and other fees. Proof of Massachusetts residency and birth date must be provided annually at the time of registration. There are no waivers available for online and off-campus courses.

Refund Schedule for Tuition and Fees

Students who withdraw from the University or drop all of their courses during the add/drop period will receive a 100% adjustment to tuition and fees for the semester except for the following:

- 1) The Continuing Studies \$30.00 non-refundable Registration Fee per term.
- 2) Students who are suspended or expelled for disciplinary reasons will forfeit all rights to a tuition and fee adjustment.
- 3) Any book voucher monies advanced to students and used at the bookstore. Students should contact Barnes and Noble at (978) 934-2623 for the bookstore refund policy on books and materials purchased directly from them.
- 4) Residence hall charges and meal plan charges follow a different refund schedule. Students should contact the Residence Life Office at (978) 934-5115 for further assistance.

Please note: There are no adjustments to tuition and fee charges if students withdraw or drop classes after the add/drop period of the academic semester.

Student records will be cleared and appropriate refunds will be awarded only after outstanding University bills (library fines, parking fines, etc.) are paid and all University-owned property is returned. If debts remain unpaid, students' academic permanent records will not be released and students will not be readmitted to the University.

Health Insurance

All students enrolled in 9 or more credits will be charged for health insurance. Students who have comparable health insurance may apply on ISIS to waive the charge. Please see the Accounts Receivable website and the Health Services website at www.uml.edu. Please note that all students who withdraw from or drop all of their classes within the first 30 days (calendar days) of the academic semester are not allowed to be enrolled in the University student health insurance plan.

Financial Aid

All students who are financial aid recipients are reminded that their aid is also reduced and the financial aid adjustment schedule may be different than what has been stated above as required by federal law. Students are strongly encouraged to discuss these issues with a financial aid counselor prior to withdrawing. Please note that money will be returned to the applicable financial aid assistance programs before any money is disbursed to the student.

International Students

The International Students and Scholars Office will notify the United States Citizenship and Immigration Services (USCIS) of all international students who either withdraw or drop below full-time status during the academic semester.

Graduate Teaching and/or Research Assistants

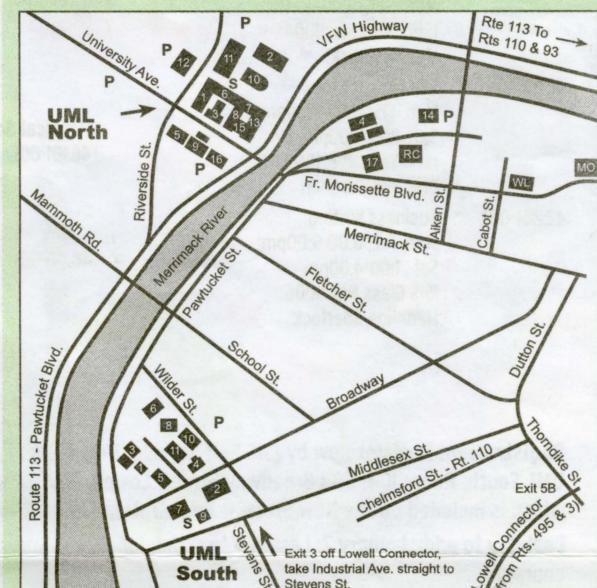
Graduate Teaching Assistant and/or Graduate Research Assistant contracts will be voided if students drop below full-time status.

Correct Social Security Number/Tax Identification Number

The University of Massachusetts Lowell must obtain your correct social security number (SSN) to file certain information returns with the IRS as well as to furnish a statement to you. The returns the University must file contain information about qualified tuition and related expenses (Form 1098-T, Tuition Payments Statement). The information about your tuition will help to determine whether you, or the person who can claim you as a dependent, may take the Hope credit or Lifetime Learning credit to reduce the federal income tax.

For additional information on Financial policies and procedures, see www.uml.edu/admin/ar

Campus Information



North	South
1 BL	Ball Engineering Ctr.
2 Costello Gym	1 Allen Hall
3 Cumnock Hall	2 Coburn
4 Dormitories	3 Concordia Hall
5 Eames Hall	4 Dining Hall
6 EB	5 DU Dugan Hall
7 FA	6 DR Durgin Hall
8 KI	7 MA Mahoney Hall
9 LL	8 OL O'Leary Library
10 EC	9 Power Plant
11 OH	10 SU Student Union
12 OS	11 WE Weed Hall
13 PA	P Parking
14 Research Foundation	S Security
15 SO	15 Southwick Hall
16 Smith Hall	16 Mogan Center
17 FOX	17 Wannalancit
RC	RC Recreation Center
P	WL Wannalancit
S	Exit 5B

Directions

For UMass Lowell online directions, go to www.uml.edu/maps. For UMass Lowell directions, call (978) 934-5800.

Parking

New parking permits are required for all Continuing Studies students. Complete parking information and the permit registration form are available at <http://parking.uml.edu>. Permits are also available at the Access Services Offices in the UML South Dining Hall. Please note that cost for the parking permit for CSCDE students is included in the per credit hour tuition cost.

The permit entitles students to park in any commuter parking lot.

Students and faculty should not compromise public safety by blocking access of fire lanes, ambulance and other emergency vehicles. Students and faculty should not park in handicap spaces unless they display a handicap sticker. Student and faculty cars will be towed and/or ticketed for violations. In addition, the Lowell Police will tow student and faculty cars if cars are parked in "Residential Parking" areas. Please call the Access Services Office at (978) 934-4211 for additional information.

Locating Your Classroom

Refer to the map and building key above to locate where your class will be held. If your class has not been assigned a classroom when you register, please check ISIS Web Self-Service at <http://isis.uml.edu>.

University Escort Service

The University operates a motorized escort service seven nights a week from 6:00 pm to 1:00 am. Call Ext. 2222 for a ride anywhere on campus — from the parking lots, to the libraries, the residence halls, or the gym. It is a service designed for the entire University community day and evening students, staff, and faculty.

